

ANNOTATED CHECKLIST OF TYPE SPECIMENS OF
NEW ZEALAND PLANTS IN THE AUCKLAND
INSTITUTE AND MUSEUM HERBARIUM (AK).
PART 5. DICOTYLEDONS

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Abstract. Type material of New Zealand dicotyledons in the AK Herbarium is presented in an annotated checklist of 590 taxa. This completes the five-part annotated checklist of vascular type specimens in the AK Herbarium.

The native dicotyledon collection in the herbarium of the Auckland Institute and Museum (AK) has been systematically searched for type specimens. The list of primary types by Cooper (1949) has been expanded, updated and annotated to include all possible types. This paper is a continuation of the series begun by Goulding (1978, 1980) and Wright (1978) and completes the checklists of type and presumptive type specimens for New Zealand vascular plants at AK.

Specimens thought to have type status are listed in alphabetical order within families, which are themselves arranged in alphabetical order. The names cited are as originally published, with a few orthographic corrections, and are followed by the author and publication reference. Where specific or sub-specific epithets of original names have not been retained at either taxonomic level in later nomenclatural synonyms (denoted using the \equiv symbol), the later names are entered separately and cross referenced to the original name. The type locality included in quotation marks is taken directly from the original description, the protologue. In citing the specimens, the type status is given first. This has been determined following the International Code of Botanical Nomenclature (Greuter *et al.* 1988). Some interpretation of the Code has been necessary and for our definitions refer to Appendix 1. Following the type status of each specimen is the locality, collector, date and AK number. Information from original labels has been used and where this is written in a hand other than that of the collector, an asterisk (*) is placed at the beginning of the specimen data. Included in parentheses after the specimen data is the herbarium the specimen originated from, if not AK, and the former AK number of the specimen if renumbered. † after the specimen data refers to published designation of the specimen as type material. If the specimen is a secondary type, the herbarium holding the primary type is referenced. "Types" cited in Allan (1961) are accepted only as lectotypes where Allan has stated "lectotype" before the specimen number, as recommended by Brownsey (1979). Unless published as type material, all Colenso "types" annotated by Cheeseman, are treated with question marks (?) because of queries raised by Brownsey (1979).

Type specimens of six Cheeseman taxa appear to be missing (*Helichrysum selago* var. *acuta*, *H. selago* var. *tuberculata*, *Gaultheria rupestris* var. *lanceolata*, *Senecio myrianthos*,

Helichrysum selago var. *tumida* and *Pimelea aridula* var. *linearis*). For the latter two, Cheeseman cites only Cockayne material in the protologue - in the absence of these specimens at AK we suspect Cheeseman based his description solely on borrowed Cockayne material. Therefore these latter two taxa are not listed in the checklist. Also the Cheeseman specimens of *Dracophyllum adamsii* Petrie, part of the syntype listed by Petrie, cannot be located at AK. A single specimen of one of the taxa (*Pimelea lyallii* var. *sericea*), listed by Cooper (1949) as missing, has been located.

Author abbreviations follow Brummitt & Powell (1992), and abbreviations for herbaria follow Holmgren *et al.* (1990).

CHECKLIST OF DICOTYLEDON TYPE AND PRESUMPTIVE TYPE SPECIMENS AT AK

AIZOACEAE

Tetragonia trigyna Banks et Sol. ex Hook.f., *Handbk. N.Z. Fl.*:84 (1864)

TYPE LOCALITY: "Northern Island: east coast, Banks and Solander. Sand-hills, Cape Turnagain, Colenso. Auckland, Sinclair."

Specimen: SYNTYPE, * New Zealand, Banks and Solander, 1769-1770, AK 100182 (ex BM).

ALSEUOSMIACEAE

Alseuosmia pusilla Colenso, *Trans. Proc. N.Z. Inst.* 17:241 (1885)

TYPE LOCALITY: "In shady forests near Norsewood, County of Waipawa; 1884; W. C."

Specimens: ? ISOLECTOTYPES, * Norsewood, Hawkes Bay, W. Colenso, no date, AK 9185, AK 106223-106224 (lectotype in WELT, †Gardner 1978:277).

Alseuosmia turneri R.O. Gardner, *N.Z. J. Bot.* 16:271 (1978)

TYPE LOCALITY: "Ohakune, Mountain Road, Volcanic Plateau, Weinmannia-Podocarpus forest, c.680 m, R.O. Gardner 1161, 25 November 1975."

Specimens: ISOTYPE, Ohakune, Mountain Road, Volcanic Plateau, Weinmannia-Podocarpus forest, c.680 m, R.O. Gardner 1161, 25/11/1975, AK 141728 (ex AKU, †Gardner 1978:272); PARATYPE, * Ohakune, (main trunk line), 2000 ft, E. Phillips Turner, no date, AK 36969 (ex Herb. E. Phillips Turner); PARATYPE, Ohakune, R. Cooper, 13.10.57, AK 50090 (holotype in CHR, †Gardner 1978:272).

APIACEAE (UMBELLIFERAE)

Aciphylla aurea W.R.B. Oliv., *Trans. R. Soc. N.Z.* 84:15 (1956)

TYPE LOCALITY: "... Swampy Hill, Otago, collected by W.R.B. Oliver ..."

Specimens: PARATYPES, St Arnaud Mountains, Nelson, 4500 ft, T.F.C., Jan 1878, AK 6391; * Mt Stokes, Marlborough, E. Phillips Turner, no date, AK 105091 (ex Herb. E. Phillips Turner).

Aciphylla cartilaginea Petrie, *Trans. Proc. N.Z. Inst.* 47:49 (1915)

TYPE LOCALITY: "Wet alpine meadow of the higher hills of Stewart Island; Mount

Rakiahua, P. Goyen! D. Petrie!; Frazer Peaks, F.R. Chapman! G.M. Thomson! D. Petrie.”
Specimens: SYNTYPES, * Summit of Mount Rakiahua, Stewart Island, 3500 ft, D. Petrie, no date, AK 6518, AK 210765 (formerly AK 6518.2).

Aciphylla colensoi Hook.f. var. *conspicua* Kirk, *Stud. Fl.*:207 (1899)

TYPE LOCALITY: “Ruahine Mountains, W.F. Howlett! Whangapeka, Nelson, Kingsley!”
Specimen: SYNTYPE, * Oroua River, Ruahine Range, W.F. Howlett, no date, AK 6394.

Aciphylla congesta Cheeseman, *Trans. Proc. N.Z. Inst.* 47:44 (1915)

TYPE LOCALITY: “South Island: Rocky places on the lower slopes of Mount Balloon, between Lake Te Anau and Milford Sound, alt. 3,500-4,500 ft; F.G. Gibbs!”

Specimens: SYNTYPES, * Slopes of Mount Balloon, head of the Clinton Valley, F.R. Gibbs, Jan 1914, AK 6529-6532, AK 6535; * Balloon Mt, McKinnon’s Pass, F.G. Gibbs, no date, AK 6528; * slopes of Mt Balloon, McKinnon’s Pass, F.G. Gibbs, Jan 1914, AK 6534; * Mount Balloon, SW Otago, 4000-5000 ft, F.G. Gibbs, Jan 1914, AK 6533.

Aciphylla crosby-smithii Petrie, *Trans. Proc. N.Z. Inst.* 47:48 (1915)

TYPE LOCALITY: “... collected by Mr J. Crosby Smith in January last, at an elevation of about 5,000 ft on Mount Cleughearn, Fiord County.”

Specimen: SYNTYPE, * Mt Cleughearn, Fiord County, 4000 ft, J. Crosby Smith, 3rd Jan 1914, AK 6539 (ex Herb. D. Petrie).

Aciphylla glaucescens W.R.B. Oliv., *Trans. R. Soc. N.Z.* 84:13 (1956)

TYPE LOCALITY: “... Swampy Hill, Otago, collected by W.R.B. Oliver ...”

Specimens: PARATYPES, Mount Arthur, Nelson, T.F.C., Jan 1886, AK 6392; Wairau Valley, Nelson, alt 1700 ft, T.F.C., Jan 1881, AK 6393; * Mount Owen, Nelson, 4000 ft, W. Townson, no date, AK 6411.

Aciphylla hookeri Kirk, *Stud. Fl.*:209 (1899)

TYPE LOCALITY: “South Island: Heaphy River, Nelson, J. Dall!”

Specimen: ?ISOLECTOTYPE, near the source of the Heaphy River, [? J. Dall], 20/7/94, AK 6433 (lectotype in WELT, † Le Comte and Webb 1981:189).

Aciphylla horrida W.R.B. Oliv., *Trans. R. Soc. N.Z.* 84:17 (1956)

TYPE LOCALITY: “... Alecs Knob, above Franz Joseph Glaciers, collected by W.R.B. Oliver ...”

Specimens: PARATYPES, * Mount Kelvin, near Westport, alt 4500 ft, W. Townson, no date, AK 6397, AK 211969 (formerly AK 6397.2); source of Otekahe R, Westland, on western slopes of Walker’s Pass, L. Cockayne, Jan 1900, AK 6400 (ex Herb. L. Cockayne); * source of Otekahe R, Westland, on western slopes of Walker’s Pass, L. Cockayne, Jan 1900, AK 211968 (formerly AK 6400.2, ex Herb. L. Cockayne); Arthur’s Pass, Canterbury, alt. 3000 ft, T.F.C., Jan 1881, AK 6401.

Aciphylla indurata Cheeseman, *Trans. Proc. N.Z. Inst.* 47:40 (1915)

TYPE LOCALITY: “South Island: Buller Valley - Mount Lyell and the Brunner Range, 3,000-5,000 ft; Paparoa Range, Mount Bovis, alt. 3,000-4,000 ft. W. Townson!”

Specimens: SYNTYPES, * Mt Lyall, 3-4000 ft, W. Townson, no date, AK 6430-6431.

Aciphylla kirkii Buchanan, *Trans. Proc. N.Z. Inst.* 19:214 (1887)

TYPE LOCALITY: "... Mount Alta, in 1883."

Specimen: SYNTYPE, * Mount Alta, Otago, 6000 ft, J. Buchanan, no date, AK 6541.

Aciphylla monroi Hook.f. var. *divisa* Cheeseman, *Trans. Proc. N.Z. Inst.* 47:42 (1914)

TYPE LOCALITY: "South Island: Mount Cook district, not uncommon in open grassy places, alt. 4,000-6,000 ft; T.F.C."

Specimens: SYNTYPES, Mt Olivier, Hooker Valley, Mt Cook, 5000 ft, T.F.C., Jan 1898, AK 6494-6496.

Aciphylla multisecta Cheeseman, *Trans. Proc. N.Z. Inst.* 47:43 (1915)

TYPE LOCALITY: "South Island: Rocky places on the lower slopes of Mount Balloon, between Lake Te Anau and Milford Sound, alt. 3,500-4,500 ft; F.G. Gibbs!"

Specimens: SYNTYPES, * Mount Balloon, Clinton Valley, F.G. Gibbs, Jan 1914, AK 6500-6501.

Aciphylla poppelwellii Petrie, *Trans. Proc. N.Z. Inst.* 53:369 (1921)

TYPE LOCALITY: "... Garvie Mountains (Southland), 4000 ft: D. L. Poppelwell! Dr L. Cockayne!"

Specimens: SYNTYPE, * Garvie Mountains, Otago, 4000 ft, D.L. Poppelwell, no date, AK 6525; ? SYNTYPE or ? ISOSYNTYPE, * Garvie Mountains, Southland, D.L. Poppelwell, no date, AK 105090; PARATYPE, Kyeburn, Otago, 3000-4000 ft, D.P., Dec 1889, AK 6520 (ex Herb. D. Petrie).

Aciphylla similis Cheeseman, *Trans. Proc. N.Z. Inst.* 47:42 (1915)

TYPE LOCALITY: "South Island: Peaty bogs on Arthur's Pass, Canterbury Alps, alt. 3,000-4,000 ft; also near the Waimakariri Glacier; T.F.C. Upper Rakaia Valley; J.D. Enys!"

Specimens: LECTOTYPE, Arthur's Pass, Canterbury Alps, alt. 3000 ft, T.F.C., Jan 1883, AK 6468 († Dawson 1979:348); ISOLECTOTYPE, AK 6469.

Aciphylla simplex Petrie, *Trans. Proc. N.Z. Inst.* 22:440 (1890)

TYPE LOCALITY: "Mount Pisa, Mount Cardrona and Hector Mountains, 6,000 ft, on broken rock."

Specimen: SYNTYPE, Mt Cardrona, 6000 ft, D.P., Feb 1887, AK 6543 (ex Herb. D. Petrie).

Aciphylla spedenii Cheeseman, *Trans. Proc. N.Z. Inst.* 45:93 (1913)

TYPE LOCALITY: "South Island: Rocky places on Cecil Peak, near Lake Wakatipu, altitude 5,000-6,000 ft; also in several other localities on the Eyre Mountains of which Cecil peak is the northern termination; Mr James Speden!"

Specimens: SYNTYPES, * Cecil Peak, near Lake Wakatipu, alt. 5500 ft, J. Speden, Jan 1912, AK 6536; * Cecil Peak, near Lake Wakatipu, alt. 5500 ft, J. Speden, no date, AK 6537-6538.

Aciphylla subflabellata W.R.B. Oliv., *Trans. R. Soc. N.Z.* 84:12 (1956)

TYPE LOCALITY: "... Waiiau, growing in tussock grassland, collected by W.R.B. Oliver ..."

Specimens: PARATYPES, Broken River, Canterbury Alps, alt 3000 ft, T.F.C., Jany 1883, AK 6412-6413; Broken River, Canterbury Alps, D.P., 8 Jany 1908, AK 6414; * Broken River, Canterbury Alps, D.P., 8 Jany 1908, AK 209774 (formerly AK 6414.2).

Aciphylla townsonii Cheeseman, *Man. N.Z. Fl.*:1138 (1906)

TYPE LOCALITY: "South Island: Nelson-Mount Faraday, Mount Buckland and the Lyell Mountains, alt. 3000-4500 ft, W. Townson!"

Specimens: SYNTYPES, * Mount Buckland, near Westport, W. Townson, no date, AK 6454-6456; * Mount Faraday, 3-4000 ft, W. Townson, no date, AK 6459-6461; * Mount Lyell, S. W. Nelson, 4000 ft, W. Townson, no date, AK 6462.

Aciphylla trifoliolata Petrie, *Trans. Proc. N.Z. Inst.* 48:186 (1916)

TYPE LOCALITY: "Rocky spurs on Mount Lyell, western Nelson ... Mr William Townson ..."

Specimens: ISOLECTOTYPES, * Mount Lyell, Buller Valley, 4000 ft, W. Townson, no date, AK 6503-6504 (lectotype in WELT, † Dawson 1980:118).

Aciphylla verticillata W.R.B. Oliv., *Trans. R. Soc. N.Z.* 84:6 (1956)

TYPE LOCALITY: "Type from Mount Kyeburn in the Auckland Museum."

Specimen: SYNTYPE, * Mount Kyeburn, Otago, 4000 ft, H.J. Matthews, no date, AK 6512.

Azorella nitens Petrie, *Trans. Proc. N.Z. Inst.* 25:270 (1893)

TYPE LOCALITY: "Shores of Lake Te Anau and banks of Clinton River (700-1,000 ft)."

Specimen: SYNTYPE, Lake Te Anau, no collector (label in Petrie's hand), Jan 1892, AK 6305 (ex Herb. D. Petrie).

Hemiphues novae-zelandiae Petrie, *Trans. Proc. N.Z. Inst.* 12:355 (1880)

TYPE LOCALITY: "Stewart Island."

Specimens: PARALECTOTYPE, Port Pegasus, Stewart Island, no collector (label in Thomson's hand), Jany 1880, AK 6354 (ex Herb. G.M. Thomson), (lectotype in WELT, †Webb 1980:344).

Hydrocotyle hydrophila Petrie, *Trans. Proc. N.Z. Inst.* 29:425 (1897)

TYPE LOCALITY: "Matata (Bay of Plenty); Otago Harbour; Wycliffe Bay; Tomahawk Lagoon; Bluff Harbour; Stewart Island."

Specimen: ? ISOLECTOTYPE, * Wickliffe Bay, Otago, B.C. Aston, no date, AK 6239 (lectotype in WELT, †Webb and Johnson 1982:167).

Hydrocotyle robusta Kirk, *Stud. Fl.*:189 (1899)

TYPE LOCALITY: "North Island: on sandy beaches. Auckland: between Waiwera and Mahurangi. Great Barrier Island: Port Tryphena, Blind Bay, Haratoanga. Dec, Jan."

Specimen: SYNTYPE, Great Barrier Island, T.K., no date, AK 6269.

Hydrocotyle sibthorpioides Colenso, *Trans. Proc. N.Z. Inst.* 21:83 (1889)

TYPE LOCALITY: "Shaded woods near Dannevirke, County of Waipawa; 1887; W.C."

Specimens: ? SYNTYPES, * Dannevirke, Hawkes Bay, W. Colenso, no date, AK 6283, AK 209491 (formerly AK 6283.2).

Ligusticum acutifolium Kirk, *J. Bot. Lond.* 29:237 (1891)

TYPE LOCALITY: "Snares Islands."

Specimen: SYNTYPE, * Snares Islands, T. Kirk, 1890, AK 6562.

Ligusticum aromaticum Hook.f. var. *incisum* Kirk, *Stud. Fl.*:204 (1899)

TYPE LOCALITY: "In limestone districts, Broken River, Canterbury, &c. Enys and Kirk."
Specimen: SYNTYPE, * Limestone Rocks, Broken River, T. Kirk, no date, AK 6677.

Ligusticum aromaticum Hook.f. var. *lanuginosum* Kirk, *Stud. Fl.*:204 (1899)

TYPE LOCALITY: "Mountains above Lake Tekapo, Cheeseman! Hector Mountains, Mount Pisa, Mount Cardona, &c., Otago, Petrie!"

Specimen: SYNTYPES or ISOSYNTYPES, mts above Lake Tekapo, Canterbury Alps, 5000 ft, T.F.C., Jan 1883, AK 6673; Hector Mountains, 5000 ft, Old Man Range, 4500 ft, D. Petrie, Feb 1886, AK 6676 (ex Herb. D. Petrie).

Ligusticum capillifolium Cheeseman, *Trans. Proc. N.Z. Inst.* 47:45 (1915)

TYPE LOCALITY: "South Island: Mountains of south-west Otago, alt. 3,000-5,500 ft: mountains above Chalky Inlet, A. Reischek! Mount Tyndall, D. Petrie! Mount Bonpland, H.J. Matthews! slopes of Mount Balloon, McKinley's Pass, F.G. Gibbs! near Lake Harris, J. Speden!"

Specimens: SYNTYPES, * slopes of Mount Balloon, 4500 ft, sw Otago, F.G. Gibbs, no date, AK 6592, AK 209490 (formerly AK 6592).

Ligusticum deltoideum Cheeseman, *Trans. Proc. N.Z. Inst.* 14:299 (1882)

TYPE LOCALITY: "Grassy slopes on Mount Arthur, Nelson, alt. 4,000-5,500 ft."

Specimens: SYNTYPE, Mount Arthur, Nelson, alt. 4500 ft, T.F.C., Jan 1881, AK 6616; ? SYNTYPES, Mount Arthur, Nelson, alt. 4500 ft, T.F.C., no date, AK 6617; * Mount Arthur, Nelson, T.F. Cheeseman, no date, AK 15210 (ex Herb. J. Adams).

Ligusticum dissectum Kirk, *Stud. Fl.*:202 (1899)

TYPE LOCALITY: "North Island: Mount Holdsworth and other peaks of the Tararua Range, T.P. Arnold! Buchanan! 3,500 ft to 6,000 ft. Jan."

Specimen: SYNTYPE or ISOSYNTYPE, * Tararua Mountains, J.P. Arnold, no date, AK 6604.

Ligusticum diversifolium Cheeseman, *Man. N.Z. Fl.*:1139 (1906)

TYPE LOCALITY: "South Island: Nelson-shingle slopes on Mount Robert (overlooking Lake Rotoiti), alt. 4000 ft, F.G. Gibbs!"

Specimens: LECTOTYPE, * Mount Robert, Lake Rotoiti, Nelson, 4000 ft, F.G. Gibbs, no date, AK 6628 (†Dawson 1967:406); ISOLECTOTYPES, AK 6627, AK 6629.

Ligusticum enysii Kirk, *Trans. Proc. N.Z. Inst.* 9:548 (1877)

TYPE LOCALITY: "South Island: Limestone Rocks, Broken River, Canterbury. J.D. Enys and T. Kirk."

Specimen: ? SYNTYPE, * Broken River Basin, Canterbury, 2500 ft, T. Kirk, no date, AK 6685.

Ligusticum flabellatum Kirk, *Stud. Fl.*:205 (1899)

TYPE LOCALITY: "Stewart Island: in crevices of syenitic rocks near the South Cape. Jan."

Specimen: SYNTYPE, Stewart Island, South Cape, no collector (label in Kirk's hand), no date, AK 6686 (ex Herb. T. Kirk).

Ligusticum latifolium Hook.f. var. *angustatum* Kirk, *Stud. Fl.*:200 (1899)

TYPE LOCALITY: "Auckland and Campbell Islands. Dec, Jan."

Specimen: SYNTYPE, Campbell Island, no collector (label in Kirk's hand), no date, AK 6558 (ex Herb. T. Kirk).

Ligusticum petraeum Cheeseman, *Trans. Proc. N.Z. Inst.* 51:92 (1919)

TYPE LOCALITY: "South Island: abundant on the north face of Mount Owen, Nelson, alt. 4,000 ft; usually on the debris from limestone rocks; T.F.C. Also plentiful on the southern face of the same mountain; W. Townson! Broken River, Canterbury Alps, alt. 3,500 ft; T.F.C. Takitimu Mountains, Southland, alt. 3,500 ft, D. Petrie!"

Specimens: SYNTYPES, * Mount Owen, Nelson, alt. 4500 ft, W. Townson, Jan 1882, AK 6639; Mount Owen, Nelson, 4500 ft, T.F.C., Jan 1882, AK 6640-6641; Broken River, Canterbury Alps, 3500 ft, T.F.C., no date, AK 6642; * Takitimu Mountains, S.W. Otago, alt. 3500 ft, D. Petrie, Dec 1912, AK 6645.

Ligusticum politum Kirk, *Stud. Fl.*:202 (1899)

TYPE LOCALITY: "South Island: Ben Nevis, Mount Starveall, and Mount Lunar, Gibbs! Bryant!, Kingsley! Dec, Jan."

Specimens: * SYNTYPES, Ben Nevis, Nelson, F.G. Gibbs, no date, AK 6492; * Ben Nevis, F.G. Gibbs, Jan 1896, AK 6493.

Oreomyrrhis ramosa Hook.f., *Handbk. N.Z. Fl.*:91 (1864)

TYPE LOCALITY: "Middle Island - Otago, river flats in the lake district, Hector and Buchanan."

Specimen: ? SYNTYPE or ? ISOSYNTYPE, Lake Wanaka District, 2,300 ft, no collector (label in Buchanan's hand), no date, AK 6371 (ex WELT).

Pozoa exigua Hook.f., *Handbk. N.Z. Fl.*:87 (1864)

TYPE LOCALITY: "Middle Island: Otago, lake district, alpine, Hector and Buchanan."

Specimens: ? SYNTYPES or ? ISOSYNTYPES, Black Peak, 7000 ft, no collector (label in Buchanan's hand), no date, AK 6328 (ex WELT); * Black Peak, Otago, 7000 ft, J. Buchanan, no date, AK 6329.

Pozoa microdonta Colenso, *Trans. Proc. N.Z. Inst.* 23:387 (1891)

TYPE LOCALITY: "... wood south of Dannevirke, County of Waipawa; October 1889-90: W.C."

Specimen: ? SYNTYPE, * near Dannevirke, Hawkes Bay, W. Colenso, no date, AK 6299.

Schizeilema allanii Cheeseman, *Man. N.Z. Fl.*:651 (1925)

TYPE LOCALITY: "North Island: Maharahara Mountain, southern end of Ruahine Mountains, near Woodville, alt. 4,000 ft. H.H. Allan."

Specimens: SYNTYPES, Summit Maharahara Pk, Ruahine Range, H.H. Allan, mid March 1923, AK 6309; * Mount Maharahara, s. end of Ruahine Range, H.H. Allan, no date, AK 6310-6312.

Schizeilema haastii (Hook.f.) Domin subsp. *hookerianum* Domin, *Engl. Bot. Jb.* 40:583 (1908)

TYPE LOCALITY: "South Island; Canterbury leg. HAAST 1862 (n534, 675); Hunter river

on shingle, leg HAAST Sub n.51 (1000-1400); Mt Peal: Nelson leg. CHEESEMAN ...”
 Specimens: ISOSYNTYPES, Mount Peel, Nelson, alt. 5000 ft, T.F.C., Jan 1881, AK 6341-6342.

APOCYNACEAE

Parsonia capsularis (G. Forst.) R. Br. var. *grandiflora* Carse, *Trans. Proc. N.Z. Inst.* 49:46 (1917)

TYPE LOCALITY: “North Island. Great Barrier Island: Colonel Boscawen, per Mr Cheeseman! Whangarei district, Mangonui County: H.C. Usually in damp lowland situations.”

Specimens: SYNTYPES, * Great Barrier Island, Col. Boscawen, no date, AK 7365; Flat Bush, Kaiaka-Kaitaia Road, H.C., Nov 1912, AK 7370 (ex Herb. H. Carse), AK 211645 (formerly AK 7370, ex Herb. H. Carse); roadside Kaiaka, H. Carse, Dec 1905, AK 7371 (ex Herb. H. Carse); Kaitaia, H.C., Jan 1912, AK 7372 (ex Herb. H. Carse).

Parsonia capsularis (G. Forst.) R. Br. var. *parviflora* Carse, *Trans. Proc. N.Z. Inst.* 49:46 (1917)

TYPE LOCALITY: “In the North Island, ... it usually occurs in open hilly woods.”

Specimen: ? SYNTYPE, in hilly forest, Kaiaka, H.C., Dec 05, AK 7374.

Parsonia macrocarpa Colenso, *Trans. Proc. N.Z. Inst.* 14:331 (1882)

TYPE LOCALITY: “Seventy-mile Bush, Hawke’s Bay; thickets near banks of streams, 1876-1881 ...”

Specimen: ? SYNTYPE, * Seventy Miles Bush, Hawke’s Bay, W. Colenso, no date, AK 7347.

Parsonia ochracea Colenso, *Trans. Proc. N.Z. Inst.* 22:480 (1890)

TYPE LOCALITY: “Edges of dry woods, south of Dannevirke, County of Waipawa; 1888: W.C.”

Specimen: ? SYNTYPE, Dannevirke, * Hawkes Bay, W. Colenso, no date, AK 7358.

ARALIACEAE

Aralia crassifolia Sol. ex A. Cunn., *Ann. Nat. Hist.* 2:214 (1839)

TYPE LOCALITY: “New Zealand (Northern Island) - 1769, Sir Jos. Banks. Shaded woods on the shores of the Bay of Islands, Wangaroa, &c. - 1826, A. Cunningham - 1833. R. Cunningham.”

Specimens: SYNTYPES, * New Zealand, Banks and Solander, 1769-1770, AK 105146-105147 (ex BM), AK 184483 (ex BM).

Aralia lyallii Kirk, *Trans. Proc. N.Z. Inst.* 177:295 (1885)

TYPE LOCALITY: “South Island: Coal Island, Preservation Inlet (identified from the deck of a passing steamer); Stewart Island and outliers, chiefly on shady cliffs etc., Herekopere Island, Ruapuke Island, Green Island, Centre Island (nearly extinct).”

Specimens: SYNTYPE, Stewart Island, no collector (label in Kirk’s hand), no date, AK 6047 (ex Herb. T. Kirk); ? SYNTYPE, * Herekopere Island, no collector, no date, AK 6048 (ex Herb. T. Kirk).

Nothopanax macintyreii Cheeseman, *Man. N.Z. Fl.*:636 (1925)

TYPE LOCALITY: "South Island: ... a young tree cultivated in Dr Hunter's garden at Dunedin, and originally collected by the late Mr H.J. Matthews in some locality in the south of Westland."

Specimen: SYNTYPES, * from a tree grown in Dr Hunter's garden at Dunedin, said to have come from Westland, W.E. Thomson, no date, AK 6089, AK 210199 (formerly AK 6089.2).

Panax discolor Kirk, *Trans. Proc. N.Z. Inst.* 3:178 (1871)

TYPE LOCALITY: "From the sea-level to 2300 ft. Cape Colville Ranges, Great and Little Barrier Islands, Great Omaha, Whangaroa (North) T.K."

Specimen: SYNTYPE, Great Barrier Island, T.K., no date, AK 11484 (ex Herb. T. Kirk).

Panax ferox Kirk, *Trans. Proc. N.Z. Inst.* 10:app. xxxiv (1878)

TYPE LOCALITY: "South Island - Near Nelson, Dr Hector and T. Kirk; Valley of the Buller, near the junction of the Matukituki; T.K., common near Dunedin, Mr Buchanan! (male flowers only)."

Specimens: SYNTYPES, Wairau Valley, Nelson, no collector (label in Kirk's hand), April 1873, AK 11489 (ex Herb. T. Kirk); near Nelson, T.K., April 1873, AK 11490 (ex Herb. T. Kirk), AK 11491 (ex Herb. T. Kirk).

Panax gilliesii Kirk, *Stud. Fl.*:221 (1899)

TYPE LOCALITY: "North Island: Auckland District: Whangaroa North, inland, (1868), Gillies and Kirk."

Specimens: SYNTYPES, Whangaroa North, no collector (label in Kirk's hand), April 1868, AK 6161 (ex Herb. T. Kirk), AK 210198 (formerly AK 6161.2, ex Herb. T. Kirk).

Panax lessonii DC. var. *heterophylla* Kirk, *Trans. Proc. N.Z. Inst.* 10:app. xxxv (1878)

TYPE LOCALITY: "North Island - Whangaroa (North)."

Specimens: SYNTYPES, Whangaroa North, no collector (label in Kirk's hand), April 1868, AK 6161 (ex Herb. T. Kirk), AK 210198 (formerly AK 6161.2, ex Herb. T. Kirk).

Panax microphylla Colenso, *Trans. Proc. N.Z. Inst.* 16:328 (1884)

TYPE LOCALITY: "In shady open forests near Norsewood (S). Waipawa County, 1882-3: W.C."

Specimens: ? SYNTYPES, * Norsewood, Hawkes Bay, W. Colenso, no date, AK 6082-6083.

ASTERACEAE (COMPOSITAE)

Abrotanella caespitosa Petrie ex Kirk, *Trans. Proc. N.Z. Inst.* 24:420 (1892)

TYPE LOCALITY: "South Island: Otago, Mount Kyeburn, D. Petrie!"

Specimen: SYNTYPE, * Otago, Mt Kyeburn, D. Petrie, Dec 1889, AK 10466.

Abrotanella filiformis Petrie, *Trans. Proc. N.Z. Inst.* 47:51 (1915)

TYPE LOCALITY: "Wet peaty puddles in open lowland moor near the head of Paterson Inlet, Stewart Island."

Specimen: SYNTYPE, * head of Paterson Inlet, Stewart Island, D. Petrie, no date, AK 10462.

Abrotanella linearis Bergg. var. *apiculata* G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 73:170 (1943)

TYPE LOCALITY: "... at the sources of the Freeman River, near Fowler Pass, Lake Manapouri, altitude 1000-1200 m."

Specimen: SYNTYPE, * Fowlers Pass, G. Simpson, no date, AK 22893.

Abrotanella muscosa Kirk, *Trans. Proc. N.Z. Inst.* 24:422 (1892)

TYPE LOCALITY: "Stewart Island: Summit of Rakiahua: 2,300 ft."

Specimen: SYNTYPE, summit of Mount Rakiahua, Stewart Island, T. Kirk, no date, AK 10473.

Brachyglottis arborescens W.R.B. Oliv., *Rec. Auck. Inst. Mus.* 3:236 (1948).

TYPE LOCALITY: "Type specimen in Auckland Museum collected by G.T.S. Baylis on Great Island, Three Kings Islands, December 1st, 1945."

Specimens: HOLOTYPE, * Great Island, Three Kings Islands, G.T.S. Baylis, 1.12.1945, AK 22882; ISOTYPES, AK 22845-22848, AK 22880-22881, AK 218336 (formerly numbered 22881(A)).

Brachyscome polita Kirk, *Stud. Fl.*:261 (1899)

TYPE LOCALITY: "South Island: Arthur's Pass, T.K., 3000 ft. Dec."

Specimen: LECTOTYPE, * Arthurs Pass, Canterbury, T. Kirk, no date, AK 9388 (†Davis 1949:100).

Brachyscome radicata Hook.f., *Fl. N.Z.* 1:127 (1853)

TYPE LOCALITY: "Northern Island, Cunningham, Colenso, Middle Island, Lyall."

Specimen: ISOSYNTYPE, * Patea, Wellington Province, W. Colenso, no date, AK 9377.

Brachyscome thomsonii Kirk, *Trans. Proc. N.Z. Inst.* 16:372 (1884)

TYPE LOCALITY: "Stewart Island."

Specimen: LECTOTYPE and PARALECTOTYPES, Stewart's Island, T. Kirk, no date, AK 9380 (†Davis 1949:97).

Brachyscome thomsonii Kirk var. *dubia* Kirk, *Stud. Fl.*:261 (1899)

TYPE LOCALITY: "Otago: cliffs near Cape Whanbrow, T.K. Near Green Island, Petrie!"

Specimen: LECTOTYPE and PARALECTOTYPE, Oamaru, no collector (label in Kirk's hand), no date, AK 9389 (†Davis 1949:97).

Brachyscome thomsonii Kirk var. *membranifolia* Kirk, *Stud. Fl.*:261 (1899)

TYPE LOCALITY: "Mount Arthur Plateau, Cheeseman! Dunedin, Petrie!"

Specimens: LECTOTYPE and PARALECTOTYPES, Mt Arthur Plateau, Nelson, alt. 4000 ft, T.F.C., Jan 1886, AK 9385 (†Davis 1949:97); PARALECTOTYPES, AK 9384, AK 106230.

Cassinia amoena Cheeseman, *Trans. Proc. N.Z. Inst.* 29:391 (1897)

TYPE LOCALITY: "Cliffs near the North Cape; abundant."

Specimens: SYNTYPES, North Cape, T.F.C., Jan 1898, AK 10298-10299.

Cassinia vauvilliersii (Hombr. et Jacquinot) Hook.f. var. *albida* Kirk, *Stud. Fl.*:315 (1899)
 TYPE LOCALITY: "Kaikoura Mountains: not unfrequent, T.K. West Cape, Buchanan!"
 Specimens: SYNTYPES, * Kaikoura Mts, T. Kirk, no date, AK 10304; Kaikoura Mount, no collector (label in Kirk's hand), no date, AK 30904 (ex Herb. T. Kirk).

Cassinia vauvilliersii (Hombr. et Jacquinot) Hook.f. var. *serpentina* Cockayne et Allan, *Trans. Proc. N.Z. Inst.* 56:22 (1926)
 TYPE LOCALITY: "South Island: Sounds-Nelson Botanical District - On mineral belt of the Dun Mountain: L.C."
 Specimen: SYNTYPE, Mineral belt, Dun Mountain, L.C., Dec 1916, AK 31977 (ex Herb. L. Cockayne).

Celmisia adamsii Kirk, *Trans. Proc. N.Z. Inst.* 27:329 (1895)
 TYPE LOCALITY: "North Island: Kaueranga Creek; T.K., Whakairi, 2000 ft; J. Adams and T.F. Cheeseman. Castle Rock, Coromandel; T.F. Cheeseman."
 Specimens: SYNTYPES, Castle Rock, Coromandel, Dec 1884, T.F.C., no date, AK 9895; * Table Mountain, J. Adams, Dec 1880, AK 9898; ? SYNTYPES, * Table Mountain, Thames, J. Adams, no date, AK 9897, AK 15622 (ex Herb. J. Adams).

Celmisia adamsii Kirk var. *rugulosa* Cheeseman, *Man. N.Z. Fl.*:313 (1906)
 TYPE LOCALITY: "Mount Manaia and hills to the north of Whangarei harbour, Kirk! T.F.C."
 Specimens: SYNTYPES, Mt Manaia, Whangarei, T.F.C., Nov 1873, AK 9901-9902; ? SYNTYPE, Mt Manaia, no collector (label in Kirk's hand), no date, AK 11738.

Celmisia argentea Kirk, *Stud. Fl.*:292 (1899)
 TYPE LOCALITY: "South Island: Maungatua, Southland, Petrie! Stewart Island: Mount Anglem; Rakiahua, Smith's Lookout, T.K. 500 ft to 3,300 ft. Dec, Jan."
 Specimen: SYNTYPE or ISOSYNTYPE, Maungatua, 3000 ft, no collector (label in Petrie's hand), no date, AK 9970 (ex Herb. D. Petrie).

Celmisia brevifolia Cockayne ex Cheeseman, *Man. N.Z. Fl.*:938 (1925)
 TYPE LOCALITY: "South Island; Canterbury - Mount Dobson Range, abundant. T.F.C.; Mount Earnest (head of Lake Wanaka), Cockayne; Mount Pisa, Petrie! Cockayne! Old Man Range, Cockayne, Two Thumb Range, A. Wall! 4500-6000 ft."
 Specimens: SYNTYPES, * Two Thumb Range, Otago, 6000 ft, Prof. Wall, April 1920, AK 9706; Mt Dobson, Lake Tekapo, 4000 ft, T.F.C., Jan 1883, AK 9707, AK 9710; Mt Dobson, Lake Tekapo, 5000 ft, T.F.C., Jan 1898, AK 9708-9709; Mt Ernest, about 5000 ft, L.C., 24 March 1921, AK 34925.

Celmisia clavata G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 72:35 (1942)
 TYPE LOCALITY: "... Table Hill, Stewart Island ..."
 Specimen: SYNTYPE, * peat bogs on mountains of Stewart Island, J.S.T. & G.S., no date, AK 32169.

Celmisia compacta Cheeseman, *Man. N.Z. Fl.*:955 (1925)
 TYPE LOCALITY: "South Island: Nelson - summit of Mount Arthur, 6000 ft, T.F.C.,

Canterbury - crest of Mount Ollivier range, Mount Cook district, in rocky places, not common, 6500-7000 ft."

Specimens: SYNTYPES, summit of Mt Arthur, Nelson, 6000 ft, T.F.C., Jan 1881, AK 9960; crest of Mount Ollivier, Mt Cook District, 6500-7000 ft, T.F.C., Jan 1898, AK 9961.

Celmisia cordatifolia Buchanan, *Trans. Proc. N.Z. Inst.* 11:427 (1879)

TYPE LOCALITY: "Collected by Mr A McKay, January 1879, on Mount Starvation, Nelson!"

Specimen: SYNTYPE, * Mt Starveall, Nelson, A. McKay, no date, AK 9792.

Celmisia coriacea Hook.f. var. *ensata* Kirk, *Stud. Fl.*:288 (1899)

TYPE LOCALITY: "Lake Harris, H. Matthews!"

Specimen: ISOLECTOTYPE, * cultivated in Mr H.H. Matthews garden at Dunedin - original plant from Lake Harris, H.J. Matthews, no date, AK 9867 (lectotype in WELT, †Given 1980:138).

Celmisia coriacea Hook.f. var. *lancifolia* Cheeseman, *Man. N.Z. Fl.*:950 (1925)

TYPE LOCALITY: "Nelson - Mount Peel, abundant; mountains flanking the Wairau Valley, Clarence Valley, T.F.C.; Mount Lyell, W. Townson! Canterbury - Arthurs Pass, Cockayne! T.F.C."

Specimens: LECTOTYPE, Mount Peel, Nelson, alt. 4500 ft, T.F.C., Jan 1881, AK 9882 (†Given 1980:135); ISOLECTOTYPES, AK 9880-9881; PARALECTOTYPES, stony ground on old moraine, Arthur's Pass, 900 m, L. Cockayne, 28/xii/97, AK 9877; Raglan Range, Wairau Valley, alt. 4500 ft, T.F.C., Jan 1881, AK 9878; * Mount Lyell, 3000-3500 ft, W. Townson, no date, AK 9879.

Celmisia dubia Cheeseman, *Man. N.Z. Fl.*:308 (1906)

TYPE LOCALITY: "South Island: Nelson - Mount Rochfort, Mount Frederic, and other localities near Westport, Townson! 2000-3000 ft. January-March."

Specimens: LECTOTYPE, * Mount Rochfort, near Westport, W. Townson, no date, AK 9817 (†Given 1980:135); ISOLECTOTYPE, AK 34980 (ex Herb. H.B. Matthews); PARALECTOTYPES, Mt Frederick, near Westport, 2-3000 ft, T.F.C., no date, AK 9830; * mountains near Westport, W. Townson, no date, AK 9831.

Celmisia flaccida Cockayne, *Trans. Proc. N.Z. Inst.* 31:422 (1899)

TYPE LOCALITY: "... Arthur's Pass, altitude 900 m; L.C.(1898) ..."

Specimen: ISOLECTOTYPE, stony ground on old moraine, Arthur's Pass, 900 m, L. Cockayne, 28/xii/97, AK 9877, (†Given 1980:139), (lectotype in K, †Given 1980:138).

Celmisia gibbsii Cheeseman, *Man. N.Z. Fl.*:300 (1906)

TYPE LOCALITY: "South Island: Nelson - Mount Cobb (to the north of Mount Arthur Plateau), F.G. Gibbs!"

Specimens: SYNTYPES, * Mount Cobb, N.W. Nelson, F.G. Gibbs, no date, AK 9691-9692.

Celmisia glabrescens Petrie, *Trans. Proc. N.Z. Inst.* 47:50 (1915)

TYPE LOCALITY: "Meadow near Freshwater River, Stewart Island, 100 ft, D.L. Poppelwell!"

Specimen: SYNTYPE or ISOSYNTYPE, * Freshwater River, Stewart Islands, D.L. Poppelwell, no date, AK 9983.

Celmisia glandulosa Hook.f. var. *latifolia* Cockayne, *Trans. Proc. N.Z. Inst.* 49:57 (1917)
 TYPE LOCALITY: "North Island: Egmont-Wanganui Botanical District - Mount Egmont ... L.C."

Specimen: SYNTYPE, Mt Egmont, L.C., Jan 17th 1905, AK 32152 (ex Herb. L. Cockayne).

Celmisia graminifolia Hook.f., *Fl. Antarct.* 1:35 (1844)

TYPE LOCALITY: "Hab. Bay of Islands. New Zealand."

Specimen: SYNTYPE, * Bay of Islands, no collector, no date, AK 9926 (ex K).

Celmisia haastii Hook.f. var. *tomentosa* G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 72:34 (1942)

TYPE LOCALITY: "Moist slopes near runnels on the Rock and Pillar Range, Otago, 1200-1500 m altitude."

Specimen: SYNTYPE, * moist slopes near runnels on the Rock & Pillar Range, Otago, 1200-1500 m, G.S. & J.S.T., no date, AK 106430.

Celmisia intermedia Petrie, *Trans. Proc. N.Z. Inst.* 45:267 (1913)

TYPE LOCALITY: "Mount Frederic, 3,400 ft (P.G. Morgan)! Arthur's Pass, 3,000 ft, D.P.; mountains near Westport (Townson)! Mount Greenland, Westland (Dr L. Cockayne)!"

Specimens: ? SYNTYPES or ?ISOSYNTYPES, * Mount Frederic, near Westport, W. Townson, no date, AK 9720; * Mount Frederick, north of Westport, P.G. Morgan, no date, AK 9721; * vicinity of Westport, W. Townson, no date, AK 9722.

Celmisia lateralis Buchanan var. *vilosa* Cheeseman, *Man. N.Z. Fl.*:302 (1906)

TYPE LOCALITY: "Mount Murchison, Buller Valley, Townson! 3000-4500 ft. December-January."

Specimens: SYNTYPES, * Mount Murchison, Buller Valley, 3000 ft, W. Townson, no date, AK 24964, AK 209501 (formerly AK 24964), AK 209507 (formerly AK 24964).

Celmisia longifolia Cass. var. *alpina* Kirk, *Trans. Proc. N.Z. Inst.* 27:328 (1895)

TYPE LOCALITY: "South Island: In mountain-swamps, Mount Arthur, W.H. Bryant! Amuri, T.K. Canterbury, Arthur's Pass, &c., T.K."

Specimen: ? SYNTYPE, no locality, no collector (label in Kirk's hand), no date, AK 30916 (ex Herb. T. Kirk).

Celmisia lyallii Hook.f. var. *pseudolyallii* Cheeseman, *Man. N.Z. Fl.*:312 (1906)

TYPE LOCALITY: Not stated.

Specimen: ? SYNTYPE, Craigieburn Mountains, 1050 m, L. Cockayne, Jan 1896, AK 9845.

Celmisia macmahonii Kirk, *Trans. Proc. N.Z. Inst.* 27:327 (1895)

TYPE LOCALITY: "South Island: Mount Stokes, Marlborough, alt. 3000 ft, P.A. Macmahon!"

Specimens: SYNTYPES or ISOSYNTYPES, * Mt Stokes, Marlborough, alt. 3800 ft, P. Macmahon, no date, AK 9963; Mt Stokes, Marlborough, J.H. Macmahon, no date, AK 9964; * Mount Stokes, Marlborough, alt. 3800 ft, J.H. Macmahon, no date, AK 9965; Mount Stokes, Marlborough, Mt Richmond, Nelson, alt. 3800-4000 ft, Macmahon, no date, AK 132216.

Celmisia major Cheeseman, *Man. N.Z. Fl.*:952 (1925)

TYPE LOCALITY: "North Island: Auckland - Great Barrier Island, T. Kirk! Cliffs north of

the Manukau Harbour, T. Kirk, T.F.C., Taranaki - Mount Egmont Ranges, Buchanan, T.F.C. Sea-level to 4500 ft, December-February.”

Specimens: SYNTYPES, cliffs near the Manukau Heads, T.F.C., Dec 1882, AK 9903-9904; Mt Egmont, Taranaki, alt. 4000 ft, T.F.C., Jan 1886, AK 9905; Karekare Cliffs, north of Manukau Heads, T.F.C., Jan 1915, AK 9907-9908.

Celmisia mollis Cockayne, *Trans. N.Z. Inst.* 31:423 (1899)

TYPE LOCALITY: “Hill’s Peak, Canterbury, at an altitude of 1,200 m: L.C.(1898) ...”

Specimen: SYNTYPE, Hill’s Peak, 1200 m, L. Cockayne, 12/1/98, AK 9807 (ex Herb. L. Cockayne).

Celmisia morganii Cheeseman, *Trans. Proc. N.Z. Inst.* 46:21 (1914)

TYPE LOCALITY: “South Island; between Westport and the Ngakawau River, P.G. Morgan! near the mouth of the Ngakawau River, D. Petrie!”

Specimens: LECTOTYPE, * vicinity of Westport, P.G. Morgan, no date, AK 9935 (†Given 1980:137); ISOLECTOTYPES, AK 9934, AK 9936; PARALECTOTYPES, near mouth of Ngakawau R, SW Nelson, D. Petrie, mid Feb 1913, AK 9933; * Coalbrookdale near Westport, 2000 ft, P.G. Morgan, March 1912, AK 9937.

Celmisia parva Kirk, *Trans. Proc. N.Z. Inst.* 27:328 (1895)

TYPE LOCALITY: “South Island: Heaphy River. J. Dall!”

Specimen: ? SYNTYPE, * Heaphy River, no collector, no date, AK 9967 (ex Herb. T. Kirk).

Celmisia petiolata Hook.f. var. *rigida* Kirk, *Stud. Fl.*:286 (1899)

TYPE LOCALITY: “Stewart Island, T.K.; descends to sea level.”

Specimen: SYNTYPE, Stewart Island, no collector (label in Kirk’s hand), 24/12/94, AK 9802.

Celmisia petriei Cheeseman, *Man. N.Z. Fl.*:311 (1906)

TYPE LOCALITY: “Otago - Clinton Saddle, Lake Te Anau, Petrie! Humboldt Mountains, H.J. Matthews!”

Specimens: SYNTYPES, * Lake Harris, SW Otago, H.J. Matthews, no date, AK 9837; Clinton Saddle, 3000 ft, Te Anau, no collector, Jan 1892, AK 9838 (ex Herb. D. Petrie).

Celmisia polyvena G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 72:34 (1942)

TYPE LOCALITY: “... Table Hill, Stewart Island ...”

Specimen: SYNTYPE, * Table Hill, Stewart Is, Simpson and Thomson, no date, AK 32170.

Celmisia prorepens Petrie, *Trans. Proc. N.Z. Inst.* 19:326 (1887)

TYPE LOCALITY: “Old Man Range, 4,500 ft; Mt St Bathans, 5,000 ft.”

Specimen: SYNTYPE, * Old Man Range, Otago, 4500 ft, D. Petrie, no date, AK 9762.

Celmisia ramulosa Hook.f. var. *tuberculata* G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 72:34 (1942)

TYPE LOCALITY: “... Rough Peaks, Lake Wakatipu ...”

Specimen: SYNTYPE, * Rough Peaks, Lake Wakatipu, G.S. & J.S.T., no date, AK 170505.

Celmisia rupestris Cheeseman, *Trans. Proc. N.Z. Inst.* 16:409 (1884)

TYPE LOCALITY: "Ravines on Mount Peel, Nelson, alt. 5000 ft."

Specimen: SYNTYPE, Mt Peel, Nelson, 5000 ft, T.F.C., January 1881, AK 9696.

Celmisia rutlandii Kirk, *Trans. Proc. N.Z. Inst.*, 27:329 (1895)

TYPE LOCALITY: "South Island: Mount Stokes, Marlborough, P.A. Macmahon!"

Specimen: ISOLECTOTYPE, * Mount Stokes, Marlborough, J.H. Macmahon, no date, AK 9803 (lectotype in WELT, †Given 1980:137).

Celmisia semicordata Petrie, *Trans. Proc. N.Z. Inst.* 46:33 (1914)

TYPE LOCALITY: "Buckland Peaks (near Westport), 3,300-4,000 ft; Charleston, 30-40 ft."

Specimens: PARALECTOTYPES, * Charleston, on rocks near the sea, D. Petrie, Feb 1913, AK 9870-9871 (lectotype in WELT, †Given 1980:133).

Celmisia sessiflora Hook.f. var. *minor* Petrie, *Trans. Proc. N.Z. Inst.* 15:359 (1883)

TYPE LOCALITY: "Swampy ground on the summit of Maungatua, Taieri, 2,900 feet."

Specimen: SYNTYPE, Maungatua, 3000 ft, no collector (label in Petrie's hand), no date, AK 9970 (ex Herb. D. Petrie).

Celmisia thomsonii Cheeseman, *Trans. Proc. N.Z. Inst.* 48:211 (1916)

TYPE LOCALITY: "South Island: Eyre Mountains, Central Otago, in rock-crevices on the faces of cliffs, alt. 5,000-6,000 ft, W.A. Thomson and J. Speden!"

Specimen: SYNTYPE, * Eyre Mountains, Otago, 5000-6000 ft, W.A. Thomson & J. Speden, no date, AK 9976.

Celmisia vespertina Given, *N.Z. J. Bot.* 7:389 (1969)

TYPE LOCALITY: "Tops east of Mount Fox, Westland National Park, P. Wardle & I.R. Fryer."

Specimens: PARATYPES, * Griffin Range, Westland, alt. 4000 ft, P.G. Morgan, no date, AK 9912 (†Given 1969:392); Fritz Range, 5,000 ft, Franz Joseph, Peter Hutton, 10.1.66, AK 109013 (†Given 1969:392); * Hectors Col, 5000 ft, Mt Aspiring, Peter Hutton, 2.1.66, AK 109014 (†Given 1969:392), (holotype in CHR, †Given 1969:389).

Celmisia viscosa Hook.f., *Handbk. N.Z. Fl.*:133 (1864)

TYPE LOCALITY: "Middle Island: summit of Mount Torlesse, alt. 5-6000 ft, Haast; Otago, lake district, subalpine, Sinclair & Haast."

Specimen: ? SYNTYPE, * no locality, no collector, no date, AK 9850 (ex K).

Cotula albida ≡ *C. pectinata* var. *sericea*

Cotula calcarea D.G. Lloyd, *N.Z. J. Bot.* 10:334 (1972)

TYPE LOCALITY: "Sand dunes and exposed conglomerate rock slopes, Wharariki Beach, N. of Westhaven Inlet, Nelson, 10 Dec 1967, D.G. Lloyd 67736, CANU 17227."

Specimen: ISOTYPE, Wharariki Beach, N. of Westhaven Inlet, Nelson, sand dunes and exposed conglomerate rock slopes, D.G. Lloyd, 10.12.1967, AK 132308 (ex CANU) (holotype in CANU, †Lloyd 1972:334).

Cotula dendyi Cockayne, *Trans. Proc. N.Z. Inst.* 47:118 (1915)

TYPE LOCALITY: "South Island: common on subalpine and alpine shingle-slips of the drier mountains where there is a steppe climate."

Specimen: PARALECTOTYPE, shingle slip, Craigieburn Mountains, 1000 m, L. Cockayne, Jan 1896, AK 10356 (ex Herb. L. Cockayne), (lectotype in WELT, †Lloyd 1972:346).

Cotula dioica Hook.f. var. ***rotundata*** Cheeseman, *Man. N.Z. Fl.*:359 (1906)

TYPE LOCALITY: "Cliffs between the Manukau and Kaipara Harbours, T.F.C.; East Coast, Colenso!"

Specimens: LECTOTYPE, cliffs, Waitakare (sic) West, T.F.C., Dec 1880, AK 10445 (†Lloyd 1972:316); PARALECTOTYPE, * East Coast, W. Colenso, no date, AK 10446.

Cotula dispersa D.G. Lloyd subsp. ***rupestris*** D.G. Lloyd, *N.Z. J. Bot.* 10:313 (1972).

TYPE LOCALITY: "Wet calcareous sandstone coastal cliffs, Castlecliff, Wanganui, A. Esler, April 1969, CANU 15541!"

Specimen: ISOTYPE, Castlecliff, Wanganui, wet calcareous sandstone cliffs, A.E. Esler, Ap[ri]l 1969, AK 217810 (holotype in CANU, †Lloyd 1972:313).

Cotula goyenii Petrie, *Trans. Proc. N.Z. Inst.* 18:295 (1886)

TYPE LOCALITY: "Old Man Range, 5,000 ft; and Mount Pisa, 5,000 to 6,000 ft."

Specimen: ? ISOLECTOTYPE, Mt Pisa, Otago, alt. 6000 ft, T.F.C., no date, AK 10391 (lectotype in WELT, †Lloyd 1972:352).

Cotula linearifolia Cheeseman, *Trans. Proc. N.Z. Inst.* 15:299 (1883)

TYPE LOCALITY: "Mountains flanking the Wairau Valley, Nelson, alt. 3,000-4,500 feet."

Specimens: LECTOTYPE, Red Hills, Wairau Valley, alt. 4500 ft, T.F.C., Jan 1882, AK 128753 (†Lloyd 1972:362); ISOLECTOTYPE, AK 128752.

Cotula obscura Kirk, *Stud. Fl.*:327 (1899)

TYPE LOCALITY: "South Island: in swamps at Woodend, Southland, T.K., Nov (1887)."

Specimen: SYNTYPE, Woodend, Southland, Kirk, no date, AK 10433.

Cotula pectinata Hook.f. var. ***sericea*** Kirk, *Stud. Fl.*:326 (1899) ≡ ***C. albida*** D.G. Lloyd, *N.Z. J. Bot.* 10:353 (1972)

TYPE LOCALITY: "Mount Cardrona and Old Man Range, 4,000 to 5,000 ft, Petrie!"

Specimens: ISOLECTOTYPE, Old Man Range and Mt Cardrona, Otago, 4-5000 ft, D. Petrie, no date, AK 10388 (ex Herb. D. Petrie); ISOLECTOTYPE, * Old Man Range and Mt Cardrona, Otago, 4-5000 ft, D. Petrie, no date, AK 212127 (formerly AK 10388.2), (lectotype in CHR, †Lloyd 1972:353).

Cotula pulchella Kirk, *Stud. Fl.*:328 (1899)

TYPE LOCALITY: "South Island: in boggy ground near Lincoln, Canterbury. Invercargill: mouth of the Oreti River; the Bluff Hill. Stewart Island: rare and local, T.K."

Specimen: SYNTYPE, south side of Paterson's Inlet, Stewart Island, T. Kirk, no date, AK 10434.

Cotula traillii Kirk, *Stud. Fl.*:324 (1899)

TYPE LOCALITY: "Stewart Island: often on blown sand. T.K. Dec-Feb."

Specimen: ISOLECTOTYPE, * Stewart Island, Kirk, no date, AK 10372 (lectotype in WELT, †Lloyd 1972:323).

Cotula willcoxii Cheeseman, *Trans. Proc. N.Z. Inst.* 48:212 (1916)

TYPE LOCALITY: "South Island: Head of Lake Wakatipu, Otago, near Mount Earnslaw, W. Wilcox!"

Specimens: LECTOTYPE, * near Mount Earnslaw, Otago, W. Wilcox, no date, AK 24966 (†Lloyd and Webb 1987:103); ISOLECTOTYPE, AK 209500.

Eurybia nummularifolia Hook.f., *Fl. N.Z.* 1:118 (1853)

TYPE LOCALITY: "Northern and Middle Islands. Tongariro and mountains above Nelson, altitude 4500 feet. Bidwill. East Coast, Mount Hikurangi, etc, Colenso."

Specimen: ? SYNTYPE or ? ISOSYNTYPE, * no locality, W. Colenso, no date, AK 9577.

Gnaphalium collinum Labill. var. *obscurum* Kirk, *Stud. Fl.*:300 (1899) ≡ *G. ensifer* D.G. Drury, *N.Z. J. Bot.* 10:151 (1972)

TYPE LOCALITY: "Broken River basin, 2,000 ft to 3,000 ft, T.K."

Specimen: ISOLECTOTYPE, Broken River, Canterbury, Kirk, no date, AK 10075 (†Drury 1972:152), (lectotype in WELT, †Drury 1972:152).

Gnaphalium ensifer ≡ *G. collinum* var. *obscurum*

Gnaphalium luteo-album L. var. *compactum* Kirk, *Stud. Fl.*:298 (1899)

TYPE LOCALITY: "Lake Lyndon, Enys and Kirk."

Specimens: ? SYNTYPES, * Lake Lyndon, Canterbury, T. Kirk, no date, AK 10056; Lake Lyndon, no collector (label in Kirk's hand), no date, AK 30914 (ex Herb. T. Kirk, ex MO).

Gnaphalium paludosum Petrie var. *polylepis* D.G. Drury, *N.Z. J. Bot.* 10:155 (1972)

TYPE LOCALITY: "T. Kirk, Trelissick [Broken River] Basin, Feb 1881."

Specimen: ISOLECTOTYPE, Broken River, Canterbury, Kirk, no date, AK 10076 (†Drury 1972:155), (lectotype in WELT, †Drury 1972:155).

Haastia recurva Hook.f. var. *wallii* Cockayne, *Trans. Proc. N.Z. Inst.* 50:175 (1918)

TYPE LOCALITY: "... collected by Professor A. Wall on a shingle slip near the summit of Mount Fyffe, Seaward Kaikoura Mountains ... Shingly Range (Awatere) ..."

Specimen: SYNTYPE, shingle slip near the summit of Mount Fyffe, Kaikoura Mountains, L.C., no date, AK 32195 (ex Herb. L. Cockayne).

Helichrysum dimorphum Cockayne, *Trans. Proc. N.Z. Inst.* 47:117 (1915)

TYPE LOCALITY: "South Island: Canterbury - climbing through and over river-terrace scrub on the banks of the River Poulter, near the Mount White Bridge, and at Puffer's Creek, Waimakariri River basin. L.C."

Specimens: SYNTYPE, climbing amongst and over tall river scrub. R. Poulter near bridge, L. Cockayne, Jan 1900, AK 10250 (ex Herb. L. Cockayne); ? SYNTYPE, * Poulter River, Waimakariri Basin, Dr Cockayne, no date, AK 10251.

Helichrysum (Leucogenes) grahamii Petrie, *Trans. Proc. N.Z. Inst.* 45:268 (1913)

TYPE LOCALITY: "In clefts of rock on Sebastopol Ridge, Sealey Range, Hooker Valley, Mount Cook."

Specimen: SYNTYPE or ISOSYNTYPE, * Mount Sebastopol, P. Graham, no date, AK 10209.

Helichrysum pauciflorum Kirk, *Trans. Proc. N.Z. Inst.* 27:351 (1895)

TYPE LOCALITY: "South Island: Craigieburn Mountains, L. Cockayne."

Specimen: SYNTYPE or ISOSYNTYPE, Craigieburn Mts, growing on solid rock, 1500 m, L. Cockayne, 13/iii/91, AK 10245 (ex Herb. L. Cockayne).

Helichrysum plumeum \equiv *H. selago* var. *tomentosum*

Helichrysum prostratum Hook.f., *Fl. Antarctica* 1:30 (1844)

TYPE LOCALITY: "Lord Auckland's group and Campbell's Island ... Mount Egmont, in the Northern Island of New Zealand, at an altitude of 4000 ft, by Dr Dieffenbach."

Specimen: SYNTYPE, * Campbell Island, J.D. Hooker, no date, AK 143166 (ex BM).

Helichrysum purdiei Petrie, *Trans. Proc. N.Z. Inst.* 22:440 (1890)

TYPE LOCALITY: "Dunedin, at Vauxhall and Black Jack's point ... Mr A.C. Purdie."

Specimen: SYNTYPE, * Dunedin, A.C. Purdie, Dec 1889, AK 10227 (ex Herb. D. Petrie) (Fig. 1).

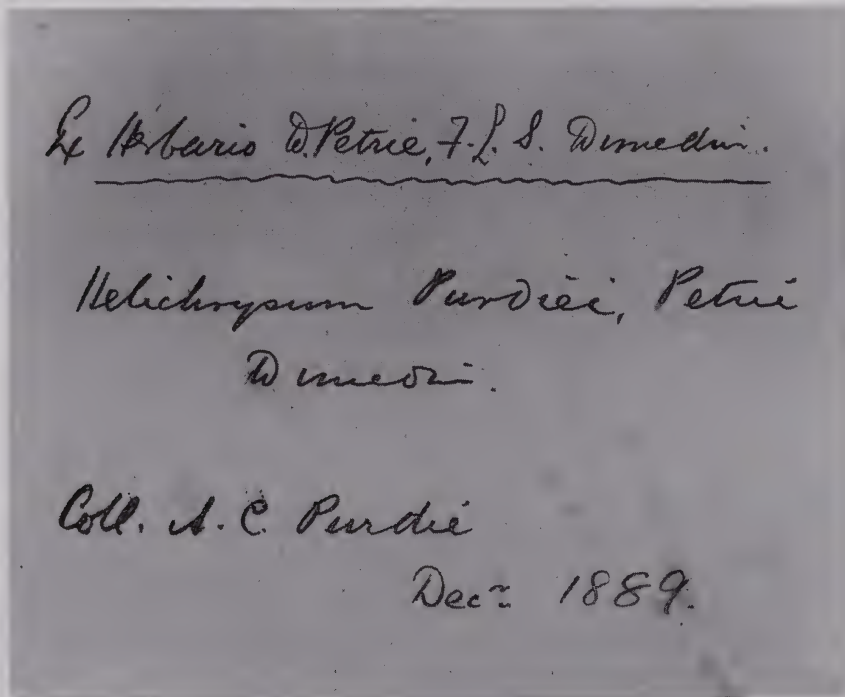


Fig. 1. Herbarium label of D. Petrie, 1889 (AK 10227), syntype of *Helichrysum purdiei* (10 x 8 cm).

Helichrysum selago Benth. et Hook.f. var. *acuta* Cheeseman, *Man. N.Z. Fl.*:985 (1925)
 TYPE LOCALITY: "Mountains behind the Hanmer Plains, T.F.C., C.E. Christensen!"
 Specimen(s): Not located, also reported as missing by Cooper (1949). No potential Cheeseman neotypes identified.

Helichrysum selago Benth. et Hook.f. var. *tomentosum* Cheeseman, *Man. N.Z. Fl.*:343 (1906) ≡ *H. plumeum* Allan, *Trans. R. Soc. N.Z.* 76:594 (1947)
 TYPE LOCALITY: "Mount Dobson, T.F.C., 2000-4500 ft. December-January."
 Specimens: SYNTYPES, Mt Dobson, Canterbury Alps, 4000 ft, T.F.C., Jan 1883, AK 24965, AK 209498-209499 (formerly AK 24965).

Helichrysum selago Benth. et Hook.f. var. *tuberculata* Cheeseman, *Man. N.Z. Fl.*:985 (1925)
 TYPE LOCALITY: "Wairau Gorge, Nelson, alt. 3000 ft, T.F.C., Cockayne!"
 Specimen(s): Not located, also reported as missing by Cooper (1949). No potential Cheeseman neotypes identified.

Lagenifera cuneata Petrie, *Trans. Proc. N.Z. Inst.* 51:106 (1919)
 TYPE LOCALITY: "Eweburn and Sowburn Creeks, Maniototo County; Cromwell; Flagstaff Hill, Dunedin; Macrae's, Waihemo County; Tasman Valley; Takitimu Mountains; D.P."
 Specimens: ISOLECTOTYPE, Flagstaff Hill, Dunedin, D. Petrie, 12.1.1908, AK 9346; PARALECTOTYPES, * Takitimu Mountains, D. Petrie, no date, AK 9345, AK 211965 (formerly AK 9345), (lectotype in WELT, †Drury 1974:384).

Lagenifera linearis Petrie, *Trans. Proc. N.Z. Inst.* 25:271 (1893)
 TYPE LOCALITY: "Grassy flats on the shores of Lake Te Anau."
 Specimens: LECTOTYPE and PARALECTOTYPES, Lake Te Anau, no collector (label in Petrie's hand), no date, AK 9361 (ex Herb. D. Petrie, †Davis 1949:103).

Lagenifera pinnatifida Hook.f. var. *hirsutissima* Cockayne, *Trans. Proc. N.Z. Inst.* 48:197 (1916)
 TYPE LOCALITY: "North Island: Hawke's Bay - Upper part of Wairoa River; T. Kirk! South Island: Fairly common in eastern *Nothofagus* forest, especially of montane belt from Nelson to Otago, Cheeseman, L.C. and others."
 Specimen: SYNTYPE, *Nothofagus* forest near Springfield, Canterbury, L. Cockayne, March 1901, AK 35069 (ex Herb. L. Cockayne).

Lagenifera pinnatifida Hook.f. var. *tenuifolia* Cockayne, *Trans. Proc. N.Z. Inst.* 48:197 (1916)
 TYPE LOCALITY: "North Island: Auckland - Tauroa, Mongonui County: H. Carse! L.C."
 Specimens: PARALECTOTYPES, woods among sandhills, Tauroa, Reef Pt, H.C., Jany 1908, AK 9352; * near Reef Point, Auckland, H. Carse, Jan 1908, AK 35068 (ex Herb. L. Cockayne), (lectotype in WELT, †Drury 1974:384).

Lagenifera purpurea Kirk, *Stud. Fl.*:257 (1899)
 TYPE LOCALITY: "South Island: Catlin's River, T.K."
 Specimens: SYNTYPES, * Catlins River, Otago, T. Kirk, no date, AK 9350; Catlins River, no collector (label in Kirk's hand), no date, AK 30646 (ex Herb. T. Kirk, ex MO).

Olearia allomii Kirk, *Trans. Proc. N.Z. Inst.* 3:179 (1871)

TYPE LOCALITY: "In rather open places on the Great Barrier Island; frequent from 800 to 2300 ft."

Specimen: SYNTYPE, Great Barrier Island, T.K., Nov 1867, AK 9475.

Olearia buchananii Kirk, *Stud. Fl.*:267 (1899)

TYPE LOCALITY: "North Island: probably Taranaki or Auckland; the exact locality uncertain. Buchanan! 1870."

Specimen: ? ISOTYPE, * North Island, J. Buchanan, 1870, AK 9456 (holotype in WELT, †Kirk 1899:267).

Olearia bullata ≡ *O. virgata* var. *rugosa*

Olearia chathamica Kirk, *Trans. Proc. N.Z. Inst.* 23:444 (1891)

TYPE LOCALITY: "Chatham Islands, H.H. Travers!"

Specimen: ? SYNTYPE, * Chatham Islands, no collector (label in Kirk's hand), no date, AK 9426 (ex Herb. T. Kirk).

Olearia cheesemanii ≡ *O. nitida* var. *angustifolia*

Olearia colorata Colenso, *Trans. Proc. N.Z. Inst.* 12:363 (1879)

TYPE LOCALITY: "Dry forests, Forty-mile Bush, head of the River Manawatu; 1876-1878."

Specimen: ? SYNTYPE, * Hawkes Bay, W. Colenso, no date, AK 9521.

Olearia coriacea Kirk, *Stud. Fl.*:276 (1899)

TYPE LOCALITY: "South Island: Marlborough: Awatere and Mount Fyffe, T.K."

Specimen: SYNTYPE, * Mount Fyffe, T. Kirk, no date, AK 9624.

Olearia cunninghamii Hook.f. var. *miniata* Kirk, *Stud. Fl.*:270 (1899)

TYPE LOCALITY: "North Island: from the North Cape to Cook Strait. South Island: Marlborough and Nelson. Sea-level to 2,800 ft. Reported from the west coast of Otago, doubtless in error. Nov."

Specimen: SYNTYPE, * Cemetery Gully, Auckland, T. Kirk, no date, AK 9529.

Olearia fragrantissima Petrie, *Trans. Proc. N.Z. Inst.* 23:398 (1891)

TYPE LOCALITY: "Otepopo; Dunedin (Vauxhall and Saddle Hill); Tairoa Head; Catlin's River."

Specimen: ? SYNTYPE, no locality, D. Petrie, no date, AK 9627.

Olearia insignis Hook.f. var. *minor* Cheeseman, *Trans. Proc. N.Z. Inst.* 48:211 (1916)

TYPE LOCALITY: "South Island: Marlborough, between Kaikoura and Blenheim, H.J. Matthews!"

Specimen: SYNTYPE, * on road to Blenheim from Christchurch, H.J. Matthews, no date, AK 9390.

Olearia laxiflora Kirk, *Stud. Fl.*:275 (1899)

TYPE LOCALITY: "South Island: Hokitika, H. Tipler!"

Specimen: ? SYNTYPE or ? ISOSYNTYPE, * Hokitika, H. Tipler, no date, AK 9638.

Olearia moschata Hook.f., *Handbk. N.Z. Fl.*:127 (1864)

TYPE LOCALITY: "Middle Island: Mount Cook, 2500-3500 ft, and banks of Haast and Hopkins rivers, Haast; Otago, lake district, alt. 2000 ft, Hector and Buchanan."

Specimens: ? SYNTYPE, * no locality, no collector, no date, AK 9552 (ex K); ? SYNTYPE or ? ISOSYNTYPE, * Lake Ohau, Canterbury Alps, J. Buchanan, no date, AK 9556.

Olearia nitida Hook.f. var. *angustifolia* Cheeseman, *Man. N.Z. Fl.*:285 (1906) ≡ *O. cheesemanii* Cockayne et Allan, *Trans. Proc. N.Z. Inst.* 57:57 (1926)

TYPE LOCALITY: "Ohinemuri Gorge, Thames Valley, T.F.C., Petrie!"

Specimens: SYNTYPES, Ohinemuri Gorge, T.F.C., July 1897, AK 9498-9500.

Olearia nitida Hook.f. var. *cordatifolia* Kirk, *Stud. Fl.*:268 (1899)

TYPE LOCALITY: "Stewart Island, Kirk."

Specimen: SYNTYPE, * Stewart Island, T. Kirk, no date, AK 9496.

Olearia oleifolia Kirk, *Trans. Proc. N.Z. Inst.* 11:463 (1879)

TYPE LOCALITY: "South Island; Ashburton, T.H. Potts! Rangitata, 4,000-5,000 ft, J.F. Armstrong! Preservation Inlet, Otago, J.D. Enys!"

Specimen: SYNTYPE or ISOSYNTYPE, * Rangitata Valley, Southern Alps, 4-5000 ft, J.F.A., no date, AK 9565.

Olearia oporina (G. Forst.) Hook.f. var. *robusta* Kirk, *Stud. Fl.*:265 (1899)

TYPE LOCALITY: "South Island: Martin's Bay to Preservation Inlet."

Specimen: ? SYNTYPE, Puysegur Point, no collector (label in Kirk's hand), no date, AK 9431 (ex Herb. T. Kirk).

Olearia pachyphylla Cheeseman, *Trans. Proc. N.Z. Inst.* 42:216 (1910)

TYPE LOCALITY: "North Island: Bay of Plenty, hills at Opape, on road from Opotiki to Torere and Te Kaha; Bishop Williams!"

Specimens: SYNTYPES, * Opape, between Opotiki & Torere, Bishop Williams, March 1907, AK 9480-9482.

Olearia ramuliflora Colenso, *Trans. Proc. N.Z. Inst.* 22:467 (1890)

TYPE LOCALITY: "Sides of streamlets, open ground, south of Dannevirke, County of Waipawa; 1887-88: W.C."

Specimens: ? SYNTYPES, * no locality, W. Colenso, no date, AK 9641-9642, AK 210590 (formerly AK 9641.2).

Olearia suavis Cheeseman, *Trans. Proc. N.Z. Inst.* 24:409 (1892)

TYPE LOCALITY: "Hab. Mount Arthur plateau, Nelson, alt. 4000 ft."

Specimens: SYNTYPES, Mt Arthur Plateau, Nelson, alt. 4000 ft, T.F.C., Jan 1886, AK 9535-9537.

Olearia thomsonii Cheeseman, *Man. N.Z. Fl.*:918 (1925)

TYPE LOCALITY: "North Island: Wanganui River, Ohura Basin, B.C. Aston! W.A. Thomson! (cultivated specimens)."

Specimens: SYNTYPES, * Ohura River, near junction with Wanganui, B.C. Aston, no date, AK 9485-9488; * Ohura Basin, Wanganui River, B.C. Aston, March 1920, AK 9489; *

cultivated in Dunedin, A.W. Thomson, no date, AK 9490; ? SYNTYPE, no locality, W.E. Thomson, no date, AK 9491.

Olearia townsonii Cheeseman, *Man. N.Z. Fl.*:917 (1925)

TYPE LOCALITY: "North Island: Upper Kaueranga Valley, Thames, W. Townson! December-January."

Specimens: SYNTYPES, * Thames, Kaueranga Valley, W. Townson, no date, AK 9476; * Upper Kaueranga Valley, Thames, W. Townson, Nov 1919, AK 9477; * Upper Kaueranga Valley, Thames, W. Townson, Jan 1920, AK 9478-9479.

Olearia traillii Kirk, *Trans. Proc. N.Z. Inst.* 116:372 (1883)

TYPE LOCALITY: "In places near the sea, Stewart Island; also on Puysegur Point, South Island."

Specimen SYNTYPE, The Old Neck, Stewart Island, T. Kirk, no date, AK 9438.

Olearia uniflora Colenso, *Trans. Proc. N.Z. Inst.* 22:469 (1890)

TYPE LOCALITY: "Hills at Ohariu, West Coast, Cook Strait, near Wellington; and cultivated at Wanstead, near Waipukurau, County of Waipawa; Mrs E. Crosse."

Specimen: ? SYNTYPE, * no locality, W. Colenso, no date, AK 9614.

Olearia virgata Hook.f. var. *implicata* G. Simpson, *Trans. R. Soc. N.Z.* 75:199 (1945)

TYPE LOCALITY: "... the banks of the Maruia River, Nelson ..."

Specimen: SYNTYPE, * Maruia River, Westland, George Simpson, no date, AK 22900.

Olearia virgata Hook.f. var. *lineata* Kirk, *Stud. Fl.*:276 (1899)

TYPE LOCALITY: "North Island: from the East Cape and Hawke's Bay to Wellington, but local in many districts. South Island: Nelson to Foveaux Strait. Sea-level to 2,000 ft. Dec-Jan."

Specimen: SYNTYPE, Winton, Southland, T. Kirk, Dec 1883, AK 9651.

Olearia virgata Hook.f. var. *rugosa* G. Simpson, *Trans. Proc. N.Z. Inst.* 75:199 (1945) ≡ *O. bullata* H. D. Wilson et Garn.-Jones, *N.Z. J. Bot.* 30:365 (1992)

TYPE LOCALITY: "... Mount Flagstaff, Dunedin ..."

Specimens: ? ISOLECTOTYPES, * Flagstaff Hill, Dunedin, G. Simpson, no date, AK 22899, AK 210589 (formerly AK 22899b), (lectotype in CHR, †Wilson and Garnock-Jones 1992:365).

Olearia willcoxii Petrie, *Trans. Proc. N.Z. Inst.* 45:266 (1913)

TYPE LOCALITY: "Queenstown Hill, Lake County."

Specimens: ? SYNTYPE, * Queenstown Hill, Lake Co., W. Wilcox, no date, AK 9571 (ex Herb. D. Petrie); ? SYNTYPE or ? ISOSYNTYPE, AK 9572.

Ozothamnus lanceolatus Buchanan, *Trans. Proc. N.Z. Inst.* 2:88 (1870)

TYPE LOCALITY: "... mountains of Hokianga 2000-3000 feet alt. Collected by Mr J. Buchanan."

Specimen: ? SYNTYPE, * Mountains near Hokianga, J. Buchanan, no date, AK 10243.

Pachystegia rufa Molloy in Connor and Edgar, *N.Z. J. Bot.* 25:144 (1987)

TYPE LOCALITY: "... Beaumont Ck, Haldon Hills, Marlborough, greywacke outcrop at 270 m, mixed scrub, B.P.J. Molloy, 6-1-1981."

Specimen: ISOTYPE, greywacke rock outcrop at 270 m, mixed scrub, B.P.J. Molloy, 6 Jan 1981, AK 176212 (ex CHR, †Molloy in Connor and Edgar 1987:144), (holotype in CHR, †Molloy in Connor and Edgar 1987:44).

Pluerophyllum hookeri Buchanan, *Trans. Proc. N.Z. Inst.* 16:395 (1884)

TYPE LOCALITY: "Common on the hills around Perseverance Harbour, Campbell Island."

Specimen: ? SYNTYPE, * Campbell Island, J. Buchanan, no date, AK 9672.

Raoulia buchananii Kirk, *Stud. Fl.*:307 (1899)

TYPE LOCALITY: "South Island; Mount Alta, Buchanan!"

Specimen: SYNTYPE, * Mt Alta, Otago, J. Buchanan, no date, AK 10095.

Raoulia gibbsii Cheeseman, *Trans. Proc. N.Z. Inst.* 42:216 (1910)

TYPE LOCALITY: "South Island: Dun Mountain Range, Nelson, on Mount Starveall and Slaty Peak; altitude, 4,000-5,000 ft; F.G. Gibbs!"

Specimens: SYNTYPES, * Mount Starveall, Dun Mountain Range, 4000-5000 ft, F.G. Gibbs, no date, AK 10109; Slaty Peak, Dun Mountain Range, 4000-5000 ft, F.G. Gibbs, no date, AK 10110.

Raoulia goyenii Kirk, *Trans. Proc. N.Z. Inst.* 16:373 (1884)

TYPE LOCALITY: "Summit of Rakiatia, P. Goyen! Peaks of Mount Anglem, 3,200 feet, T.K."

Specimen: SYNTYPE, * Rakeahua, Stewart Island, P. Goyen, no date, AK 10087.

Raoulia petriensis Kirk, *Trans. Proc. N.Z. Inst.* 9:549 (1877)

TYPE LOCALITY: "South Island: Mount St. Bathans, Otago, D.M. Petrie."

Specimens: SYNTYPE, * Mt St Bathans, Otago, 4,500 ft, D. Petrie, no date, AK 10127; ? SYNTYPE, Mount St Bathans, no collector (label in Kirk's hand), no date, AK 30643 (ex Herb. T. Kirk, ex MO).

Raoulia rubra Buchanan, *Trans. Proc. N.Z. Inst.* 14:349 (1882)

TYPE LOCALITY: "Mount Holdsworth, Tararua Range, North Island, 4,500 feet alt., 1882."

Specimens: ? SYNTYPES, * probably from the Otago Alps, no collector, no date, AK 10086 (ex Herb. J. Buchanan); Mount Holdsworth, J. Buchanan and H.J. Logan, 1880, AK 10090.

Raoulia tenuicaulis Hook.f. var. *pusilla* Kirk, *Stud. Fl.*: 302 (1899)

TYPE LOCALITY: "North Island: forming broad mossy patches on the Rimutaka Range. Nov."

Specimen: SYNTYPE, Rimutaka Range, no collector (label in Kirk's hand), no date, AK 10188 (ex Herb. T. Kirk).

Senecio adamsii Cheeseman, *Trans. Proc. N.Z. Inst.* 28:536 (1890)

TYPE LOCALITY: "Mount Arthur and Mount Peel, Nelson, not uncommon from 3,500 to 5,500 feet alt., T.F.C."

Specimen: SYNTYPE, Mt Arthur Plateau, 4,000 ft, T.F.C., Jan 1881, AK 10728.

Senecio bellidioides Hook.f. var. *setosus* G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 72:37 (1942)

TYPE LOCALITY: "Subalpine scrub & grassland on Mount Fyffe, Kaikoura Mountains."
Specimen: SYNTYPE, * subalpine scrub & grassland on Mt Fyffe, Kaikoura Mountains, G.S. & J.S.T., no date, AK 35402.

Senecio bennettii G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 72:39 (1942)

TYPE LOCALITY: "... upper forest margins, Mount Cargill, near Dunedin - 600 m altitude ..."

Specimen: SYNTYPE, * Mt Cargill, near Dunedin, 600 m, J.S.T. & G.S., no date, AK 35247.

Senecio bidwillii Hook.f. var. *viridis* Cheeseman, *Man. N.Z. Fl.*:383 (1906)

TYPE LOCALITY: "Mountains of Nelson, Marlborough and Canterbury, from Mount Arthur to the Rakaia Valley, 2500-5000 ft. December-January."

Specimens: SYNTYPES, Arthur's Pass, Canterbury, 3000 ft, T.F.C., Jan 1883, AK 10774-10775.

Senecio compactus Kirk, *Trans. Proc. N.Z. Inst.* 12:395 (1880)

TYPE LOCALITY: "North Island: Castle Point, East Coast, on limestone rocks, descending to sea-level."

Specimen: SYNTYPE, Castle Point, East Coast, T.K., Feb 1880, AK 10716.

Senecio glaucophyllus Cheeseman, *Trans. Proc. N.Z. Inst.* 28:536 (1896)

TYPE LOCALITY: "Mount Arthur, Nelson, on limestone rocks; alt., 4,000 ft."

Specimens: LECTOTYPE, Mt Arthur, Nelson, alt. 4000 ft, T.F.C., Jan 1886, AK 10601 (†Ornduff 1960:71); ISOLECTOTYPES, AK 10602, AK 10604.

Senecio lapidosus Cheeseman, *Trans. Proc. N.Z. Inst.* 48:213 (1916)

TYPE LOCALITY: "South Island: Faces of rocky cliffs at Hell's Gate, Mason River, North Canterbury, H.J. Matthews! (1909)."

Specimen: SYNTYPE, * Hell's gates, Mason River, N. Canterbury, H.J. Matthews, 17 March 1909, AK 10724.

Senecio lautus Sol. ex Willd. var. *discoideus* Cheeseman, *Man. N.Z. Fl.*:374 (1906)

TYPE LOCALITY: "Mountain districts in the South Island."

Specimens: LECTOTYPE, Mt Torlesse, Canterbury Alps, 3500 ft, T.F.C., Jan 1880, AK 10596 (†Ornduff 1960:73); PARALECTOTYPE, mts behind Castle Hill, Canterbury, 4000 ft, T.F.C., Jan 1883, AK 10597.

Senecio lautus Sol. ex Willd. var. *montanus* Cheeseman, *Man. N.Z. Fl.*:373 (1906)

TYPE LOCALITY: "A common mountain plant in both the North & South Islands."

Specimens: SYNTYPES, * Mount Owen, Nelson, 4000 ft, W. Townson, no date, AK 10589; Gordon's Nob, Nelson, alt 3000 ft, T.F.C., Jan 1882, AK 10590; Mount Arthur, Nelson, alt 4000 ft, T.F.C., Jan 1886, AK 10591-10592; Mt Tauhara, Taupo, alt 3000 ft, T.F.C., Jan 1889, AK 10593; * Mt Arthur, Nelson, F. G. Gibbs, no date, AK 10594-10595.

Senecio myrianthos Cheeseman, *Trans. Proc. N.Z. Inst.* 7:348 (1875)

TYPE LOCALITY: "... Kaueranga River, Karaka, Tararu, and Puru Creeks; and other localities at the Thames."

Specimens(s): All the AK type material is missing (since at least 1941) but the following material is potential NEOTYPE: Kaueranga River, Thames, T.F.C., Nov 1881, AK 10688-10693.

Senecio perdicioides Hook.f., *Fl. N.Z.* 1:149 (1853)

TYPE LOCALITY: "... Northern Island, Tolaga in woods, Banks and Solander."

Specimen: SYNTYPE, * New Zealand, Banks and Solander, 1769-1770, AK 107097 (ex BM).

Senecio rotundifolius Hook.f. var. *ambiguus* Cheeseman, *Man. N.Z. Fl.*:1026 (1925)

TYPE LOCALITY: "North-west Nelson - West Wanganui, H.J. Matthews! B.C. Aston. Cape Foulwind, near Westport, W. Townson! Petrie! Sea-level to 3500 ft. December-January."

Specimens: SYNTYPES, * Cape Foulwind, near Westport, W. Townson, no date, AK 10757; Cape Foulwind, SW Nelson, D. Petrie, 4.2.1913, AK 10758-10759.

Senecio rufiglandulosus Colenso, *Trans. Proc. N.Z. Inst.* 28:599 (1896)

TYPE LOCALITY: "... East sides of Ruahine Mountain-range, about 3,000 ft-4,000 ft altitude, on margins of watercourses and also on dry stony spots: Mr A. Olsen; 1894-95."

Specimen: ? SYNTYPE, * no locality, no collector (label in Colenso's hand), no date, AK 10626.

Senecio turneri Cheeseman, *Trans. Proc. N.Z. Inst.* 43:176 (1911)

TYPE LOCALITY: "North Island: On the faces of wet cliffs by the Upper Wanganui River, both above and below the junction of the Mangaio Stream: E. Phillips Turner!"

Specimens: SYNTYPES, * wet cliffs, Upper Wanganui River, E. Phillips Turner, Nov 1910, AK 10632-10639.

Trineuron pusillum Hook.f., *Fl. N.Z.* 1:131 (1853)

TYPE LOCALITY: "... Northern Island. Snowy places amongst the Ruahine Mountains, Colenso."

Specimen: SYNTYPE, * New Zealand, Colenso, no date, AK 10472 (ex K).

BIGNONIACEAE

Tecomanthe speciosa W.R.B. Oliv., *Rec. Auck. Inst. Mus.* 3:233 (1948)

TYPE LOCALITY: "Type specimen in Auckland Museum

collected by E.G. Turbott on Great Island, Three Kings Group, May 12th 1946."

Specimens: SYNTYPES, * Tasman Valley, stream bed, Great Island, Three Kings Islands, E.G. Turbott, 12 May 1946, AK 22987-22991, AK 22993.

BORAGINACEAE

Myosotis amabilis Cheeseman, *Man. N.Z. Fl.*:468 (1906)

TYPE LOCALITY: "North Island; Auckland - summit of Mount Hikurangi, East Cape District, altitude 5000 ft, Petrie and Adams! January."

Specimens: SYNTYPE, Mt Hikurangi, on shingle, 4000-5000 ft, no collector (label in Petrie's hand), no date, AK 7534; SYNTYPES or ISOSYNTYPES, * Mt Hikurangi, East Cape, J. Adams, 21.1.1897, AK 47774 (ex Herb. J. Adams), AK 211972 (ex Herb. J. Adams).

Myosotis angustata Cheeseman, *Man. N.Z. Fl.*:465 (1906)

TYPE LOCALITY: "South Island: Nelson - Mount Arthur Plateau and Raglan Mountains, T.F.C. 3500-4500 ft. January."

Specimens: SYNTYPES, Raglan Range, Wairau Valley, alt. 4500 ft, T.F.C., Jan 1881, AK 7471; Mt Arthur, Nelson, alt. 5000 ft, Jan 1886, AK 7472, AK 210593 (formerly AK 7472.2).

Myosotis antarctica Hook.f. subsp. *traillii* Kirk, *Trans. Proc. N.Z. Inst.* 16:373 (1884)

TYPE LOCALITY: "Sandy places on the west coast of Stewart Island."

Specimen: SYNTYPE, Mason Bay, Stewart Island, T. Kirk, Jan 13 1882, AK 7443.

Myosotis astonii Cheeseman, *Trans. Proc. N.Z. Inst.* 42:217 (1910)

TYPE LOCALITY: "North Island: Mount Holdsworth, Tararua Range; altitude, 4,000-4,500 ft; W. Townson! B.C. Aston!"

Specimens: SYNTYPES, * Mount Holdsworth, Tararua Range, B.C. Aston, January 1908, AK 7525; * Mt Holdsworth, Tararua Range, W. Townson, Jan 1908, AK 7526-7527.

Myosotis australis R. Br. var. *conspicua* Cheeseman, *Man. N.Z. Fl.*:462 (1906)

TYPE LOCALITY: "North Island: Hawke's Bay - Kaweka Mountain, H. Tryon. South Island: Abundant throughout. Sea-level to 4000 ft."

Specimen: SYNTYPE, Mt Torlesse, Canterbury Alps, 4500 ft, T.F.C., Jan 1880, AK 7492.

Myosotis cheesemanii Petrie, *Trans. Proc. N.Z. Inst.* 18:296 (1886)

TYPE LOCALITY: "Mount Pisa Range (6,000 ft), on steep faces of shingle above the snow drifts."

Specimen: SYNTYPE, Mt Pisa, 6000 ft, no collector (label in Petrie's hand), no date, AK 7447.

Myosotis cockayniana Petrie, *Trans. Proc. N.Z. Inst.* 45:269 (1913)

TYPE LOCALITY: "Shingle Range, Upper Awatere (Marlborough), 5000 ft...L. Cockayne ..."

Specimen: ? SYNTYPE or ? ISOSYNTYPE, * Shingly Range, upper Awatere, L. Cockayne, no date, AK 7469.

Myosotis concinna Cheeseman, *Trans. Proc. N.Z. Inst.* 17:235 (1885)

TYPE LOCALITY: "Nelson, abundant on the debris of limestone rocks on Mount Owen, altitude 3,500-4,500 ft; also on Mount Arthur, altitude 4,000 ft, T.F.C."

Specimens: SYNTYPES, Mt Owen, Nelson, alt. 3500 ft, T.F.C., Jan 1882, AK 7548, AK 210592 (formerly AK 7548.2); Mount Owen, Nelson, alt. 4500 ft, T.F.C., no date, AK 7549.

Myosotis decora Kirk ex Cheeseman, *Man. N.Z. Fl.*:462 (1906)

TYPE LOCALITY: "South Island: Canterbury - Limestone rocks in the Broken River basin. Enys! Kirk! Cockayne! T.F.C. 2000-3500 ft. December-January."

Specimens: SYNTYPES, limestone debris near cave at Broken River, 2100 ft, L.C., Jan 1893, AK 7448 (ex Herb. L. Cockayne); Castle Hill, Canterbury Alps, on limestone rock, T.F.C. & J.D. Enys, no date, AK 7449.

Myosotis eximia Petrie, *Trans. Proc. N.Z. Inst.* 48:188 (1916)

TYPE LOCALITY: "Limestone bluffs and talus slopes of Mount Aorangi (Mangaohane Station), Ruahine Range, 3,900 ft."

Specimens: SYNTYPES or ISOSYNTYPE, * Mount Aorangi, Mangaohane, Ruahine Mountains, B.C. Aston, Dec 1914, AK 7535; SYNTYPE, * Mangaohane, Ruahine Mountains, 3900 ft, B.C. Aston, Dec 1914, AK 7536 (ex Herb. D. Petrie).

Myosotis explanta Cheeseman, *Man. N.Z. Fl.*:464 (1906)

TYPE LOCALITY: "South Island: Canterbury - Mountains above Arthur's Pass, T.F.C., Cockayne! Walker's Pass, Cockayne. 3000-4500 ft. January."

Specimens: SYNTYPES, mountains above Arthur's Pass, Canterbury Alps, alt. 4000 ft, T.F.C., Jan 1883, AK 7458-7459; Arthurs Pass, Canterbury Alps, 3,500 ft, T.F.C., no date, AK 7460; on rocks, shady side of Pass Creek - 1000 m, L. Cockayne, 8/1/97, AK 7461 (ex Herb. L. Cockayne).

Myosotis goyenii Petrie, *Trans. Proc. N.Z. Inst.* 23:400 (1891)

TYPE LOCALITY: "... Arrowtown ... Cardrona Valley, and at the bluff on the east side of Lake Hawea."

Specimens: ? SYNTYPES, Arrowtown, 1200 ft, no collector, no date, AK 7474; Arrowtown, D.P., 1890, AK 7475.

Myosotis laeta Cheeseman, *Trans. Proc. N.Z. Inst.* 17:236 (1885)

TYPE LOCALITY: "... on the Nelson mountains, altitude 2,000-4,000 feet. Red Hills, Wairau Valley; Mount Arthur Plateau; Mount Owen, etc. T.F.C."

Specimens: SYNTYPES, Red Hills, Wairau, Nelson, alt. 4000 ft, T.F.C., Jan 1882, AK 7531, AK 210594 (formerly AK 7531.2).

Myosotis laingii Cheeseman, *Trans. Proc. N.Z. Inst.* 44:161 (1912)

TYPE LOCALITY: "South Island: Kaikoura Mountains; J. Buchanan! Wairau Gorge; T.F.C. Lake Tennyson; R.M. Laing! Altitudinal range from 2,500 to 4,500 ft."

Specimens: SYNTYPES, * Kaikoura Mountains, J. Buchanan, no date, AK 7532; * Terraces by the Clarence River, near Lake Tennyson, Laing, no date, AK 7533.

Myosotis macrantha (Hook.f.) Benth. et Hook.f. var. *pulchra* Cheeseman, *Man. N.Z. Fl.*:471 (1906)

TYPE LOCALITY: "South Island: Subalpine localities from Nelson to the south-west of Otago; not uncommon especially in the central and western portions of the Southern Alps. 2000-5000 ft. December-February."

Specimens: SYNTYPES, Broken River, Canterbury, alt. 3000 ft, T.F.C., Jan 1880, AK 7561, AK 210595 (formerly AK 7561.2); Mount Arthur, Nelson, 4000 ft, T.F.C., Jan 1886, AK 7562, AK 210596-210598 (formerly AK 7562.2-7562.4).

Myosotis macrantha (Hook.f.) Benth. et Hook.f. var. *westlandica* Petrie, *Trans. Proc. N.Z. Inst.* 50:210 (1918)

TYPE LOCALITY: "In a moist shady ravine on Rangi Taipo, Jackson's, Taramakau River; about 4,000 ft: L. Cockayne, D.P."

Specimen: SYNTYPE, * Rangi Taipo, Jackson's Taramakau, 4000 ft, L. Cockayne, Jan 1893, AK 7563 (ex Herb. D. Petrie).

Myosotis monroi Cheeseman, *Man. N.Z. Fl.*:469 (1906)

TYPE LOCALITY: "South Island: Nelson-Dun Mountain, Monro, Travers! Buchanan!

Kingsley! T.F.C.; Red Hills (Wairau Valley), T.F.C. 3000-4500 ft, December-February.”
Specimens: SYNTYPES, * Dun Mountains, Nelson, 3000 ft, no collector, no date, AK 7544 (ex WELT); Red Hills, Wairau Valley, Nelson, 3000 ft, T.F.C., Jan 1882, AK 7545; Dun Mountains, Nelson, 4000 ft, T.F.C., no date, AK 7546.

Myosotis pygmaea Colenso var. *glauca* G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 72:26 (1943)

TYPE LOCALITY: “... the base of Mount Ida at 500 m altitude ...”

Specimen: SYNTYPE, * type from base of Mount Ida at 500 m, G.S. & J.S.T., no date, AK 210591.

Myosotis saxosa Hook. f., *Fl. N.Z.* 1:202 (1853)

TYPE LOCALITY: “Northern Island. Crags at Titiokura, east coast, Colenso.”

Specimen: SYNTYPE or ISOSYNTYPE, crags at Titiokura, Northern Island, New Zealand, Colenso 1711, no date, AK 220521 (previously AK 7538).

Myosotis tenericaulis Petrie, *Trans. Proc. N.Z. Inst.* 50:209 (1918)

TYPE LOCALITY: “Inch-Clutha, Clutha County, about a mile from the Ramahapa station on the Catlins River railway line ...”

Specimen: SYNTYPE, Inch Clutha, no collector (label in Petrie’s hand), Jan 1892, AK 7445.

Myosotis townsonii Cheeseman, *Man. N.Z. Fl.*:1145 (1906)

TYPE LOCALITY: “South Island: Nelson-Brunner Range and Lyell Mountains, W. Townson! 3000-4500 ft.”

Specimens: SYNTYPES, * Brunner Range, S.W. Nelson, alt. 3000-4500 ft, W. Townson, no date, AK 7529; Brunner Range, S.W. Nelson, W. Townson, no date, AK 7530.

BRASSICACEAE (CRUCIFERAE)

Cardamine bilobata Kirk, *Stud. Fl.*:27 (1899)

TYPE LOCALITY: “South Island: Kurow and Naseby, Mount Ida Range, Hector Mountains, Otago. 2,000 ft to 3,000 ft Petrie!”

Specimen: SYNTYPE, Kurow, Waitaki River, D. Petrie, Oct 1892, AK 4451.

Cardamine debilis Banks et Sol. ex DC., *Syst.* 2:265 (1821)

TYPE LOCALITY: Protologue not obtained.

Specimens: SYNTYPES, * New Zealand, Banks and Solander, 1769-1770, AK 100053-100054 (ex BM).

Cardamine divaricata Hook.f., *Fl. N.Z.* 1:13 (1852)

TYPE LOCALITY: “Hab. Northern Island, Oporaga, Banks and Solander. Auckland, Sinclair, Lyall. Bay of Islands, A. Cunn.”

Specimens: ? ISOLECTOTYPES, * New Zealand, Banks and Solander, 1769-1770, AK 100055-100056 (ex BM), AK 184767 (ex BM), (lectotype in BM, †Garnock-Jones 1978:119)

Cardamine enysii Cheeseman ex Kirk, *Stud. Fl.*:28 (1899)

TYPE LOCALITY: “South Island: Canterbury: Broken River Basin, Cheeseman. Otago: Mount Ida Range, Petrie!”

Specimen: SYNTYPE, mountains near the source of the Broken River, 6500 ft, T.F.C., Jan 1880, AK 4422.

Cardamine latesiliqua Cheeseman, *Trans. Proc. N.Z. Inst.* 15:298 (1883)

TYPE LOCALITY: "Nelson Mountains. Mount Arthur, not uncommon between 4,000-4,500 ft; Mt Owen, abundant on limestone rocks above 3,500 ft; Raglan Mountains, altitude 5,000 ft."

Specimens: SYNTYPES, slopes of Mount Arthur, Nelson, alt. 5500 ft, T.F.C., Jan 1881, AK 4416; Mount Owen, Nelson, alt. 4000 ft, T.F.C., Jan 1882, AK 4418; ? SYNTYPE, Mount Arthur, Nelson, alt. 4000 ft, T.F.C., no date, AK 4415.

Lepidium australe Kirk, *Trans. Proc. N.Z. Inst.* 14:381 (1882)

TYPE LOCALITY: "South Island: Cape Whanbrow - T.K.; near Cromwell - D. Petrie."

Specimen: SYNTYPE, * Cape Whanbrow, T. Kirk, no date, AK 4482.

Lepidium banksii Kirk var. *ovatum* Kirk, *Stud. Fl.*:35 (1899)

TYPE LOCALITY: "South Island: Pelorus Sound, J. Rutland! Kenepuru, J. MacMahon!"

Specimen: SYNTYPE, * Kenepuru, Mr J. McMahon, no date, AK 4472.

Lepidium kirkii Petrie, *Trans. Proc. N.Z. Inst.* 22:439 (1890)

TYPE LOCALITY: "Gimmerburn district, Maniototo Plain, 1,100 ft."

Specimen: SYNTYPE, * Maniototo Plains, Otago, D. Petrie, no date, AK 4477 (ex Herb. D. Petrie).

Lepidium matau Petrie, *Trans. Proc. N.Z. Inst.* 19:323 (1887)

TYPE LOCALITY: "Alexandra South."

Specimens: SYNTYPES, Alexandra South, D. Petrie, Dec 10 1885, AK 4488 (ex Herb. D. Petrie); * Alexandra South, Otago, D. Petrie, no date, AK 209545 (formerly AK 4488.2).

Lepidium tenuicaule Kirk, *Trans. Proc. N.Z. Inst.* 14:381 (1882)

TYPE LOCALITY: "South Island, Cape Whanbrow ... originally discovered by Mr D. Petrie ..."

Specimen: ? SYNTYPE, * Oamaru, Otago, D. Petrie, no date, AK 4483.

Nasturtium gibbsii Cheeseman, *Man. N.Z. Fl.*:465 (1925)

TYPE LOCALITY: "South Island: Nelson - Ravines on the face of Mount Lockett, alt. 3500 ft, F.G. Gibbs!"

Specimens: SYNTYPES, * Ravines on Mt Lockett, N.W. Nelson, F.G. Gibbs, no date, AK 4421, AK 212974-212979 (formerly AK 4421.2-4421.7).

CALLITRICHACEAE

Callitriche microphylla Colenso, *Trans. Proc. N.Z. Inst.* 20:190 (1888)

TYPE LOCALITY: "On the ground in forests, forming thickish beds; and also in water-courses, in open lands near Dannevirke (*sic*), County of Waipawa; 1887: W.C."

Specimens: ? SYNTYPES, * Dannevirke, Hawkes Bay, W. Colenso, no date, AK 5076, AK 209397 (formerly AK 5076).

CAMPANULACEAE

Wahlenbergia flexilis Petrie, *Trans. Proc. N.Z. Inst.* 49:51 (1917)

TYPE LOCALITY: "Higher parts of Clarence Valley, Inland Kaikouras, Marlborough: end of December, 1915: B.C. Aston!"

Specimen: SYNTYPE, * Swale River, Kaikoura Mountains, B.C. Aston, Dec 1915, AK 9256.

Wahlenbergia marginata (Thunb.) A.DC. var. *australis* Hatch, *Trans. R. Soc. N.Z.* 79:368 (1952)

TYPE LOCALITY: "... Laingholm ..."

Specimens: SYNTYPES, Laingholm, E. D. Hatch, 12.1950, AK 27442-27444 (ex Herb. E.D. Hatch).

Wahlenbergia ramosa G. Simpson, *Trans. R. Soc. N.Z.* 75:196 (1945)

TYPE LOCALITY: "... Seatoun, Wellington, by Mrs H.W. Samson."

Specimen: SYNTYPE, * Seatoun, Wellington, G. Simpson, no date, AK 22890.

Wahlenbergia saxicola A.DC. var. *congesta* Cheeseman, *Man. N.Z. Fl.*:403 (1906)

TYPE LOCALITY: "Cape Foulwind, near Westport, W. Townson! Sea-level to 6000 ft, December-February."

Specimens: SYNTYPES, * Cape Foulwind, near Westport, W. Townson, no date, AK 9257-9258, AK 209535 (formerly AK 9257).

CARYOPHYLLACEAE

Colobanthus acicularis Hook.f., *Handbk. N.Z. Fl.*:25 (1864)

TYPE LOCALITY: "Middle Island, dry rocky places, Wairau Gorge, alt. 4-5500 ft, Travers; Otago, Lake district, abundant, Hector and Buchanan."

Specimen: ISOSYNTYPE, * Wairau Gorge, 4000-5500 ft, Travers, no date, AK 4086.

Colobanthus billardierei Fenzl var. *alpinus* Kirk, *Trans. Proc. N.Z. Inst.* 27:356 (1895)

TYPE LOCALITY: "North Island: Ruahine and Tararua Mountains. South Island: Southern Alps. 1,500-4,500 ft."

Specimen: SYNTYPE, South Island, Wai-a-auua Valley, 4000 ft, no collector (label in Kirk's hand), no date, AK 4060 (ex Herb. T. Kirk).

Colobanthus brevisepalus Kirk, *Trans. Proc. N.Z. Inst.* 27:357 (1895)

TYPE LOCALITY: "South Island: Mount Mowatt, Awatere; 4000 ft; T. Kirk. Gorge Creek and Kurow, Otago, D. Petrie!"

Specimens: SYNTYPES, Kurow, Waitaki River, D. Petrie, Oct 1892, AK 4074; junction of the Clutha and Gorge Creek, near Alexandra S., D.P., no date, AK 4075 (ex Herb. D. Petrie); Mount Mouatt, Awatere, T. Kirk, no date, AK 4077.

Colobanthus buchananii Kirk, *Trans. Proc. N.Z. Inst.* 27:358 (1895)

TYPE LOCALITY: "South Island: Otago; Manuherikia Valley. J. Buchanan!"

Specimen: SYNTYPE, * Manuherikia Valley, Otago, J. Buchanan, no date, AK 4090.

Colobanthus monticola Petrie, *Trans. Proc. N.Z. Inst.* 44:179 (1912)

TYPE LOCALITY: "Rocky faces of the Sealey Range, Mount Cook District, at 5,500 ft."

Specimen: SYNTYPE, * Sealey Range, Mount Cook District, 5000 ft, D. Petrie, no date, AK 4046.

Colobanthus muelleri Kirk var. *multicaulis* Kirk, *Trans. Proc. N.Z. Inst.* 27:356 (1895)

TYPE LOCALITY: "South Island: Interior of Otago! J. Buchanan."

Specimen: SYNTYPE, * interior of Otago, J. Buchanan, no date, AK 4071 (ex Herb. T. Kirk).

Colobanthus muelleri Kirk var. *strictus* Cheeseman, *Man. N.Z. Fl.*:67 (1906)

TYPE LOCALITY: "Mountains of Canterbury and Otago, T.F.C., Petrie!"

Specimen: LECTOTYPE, Hooker Valley, stony flats, 2000 ft, T.F.C., Jan 1898, AK 4080 (†Allan 1961:216).

Colobanthus squarrosus Cheeseman, *Trans. Proc. N.Z. Inst.* 28:534 (1896)

TYPE LOCALITY: "Mount Owen, Nelson, on limestone rocks; alt. 4,000 ft."

Specimens: SYNTYPES, * Mount Owen, Nelson, alt. 4000 ft, W. Townson, no date, AK 4048; Mount Owen, Nelson, alt. 4000 ft, T.F.C., no date, AK 4049.

Stellaria decipiens Hook.f. var. *angustata* Kirk, *Stud. Fl.*:57 (1899)

TYPE LOCALITY: "Antipodes Island, T.K."

Specimen: SYNTYPE, Antipodes Island, no collector (label in Kirk's hand), no date, AK 4022 (ex Herb. T. Kirk).

Stellaria minuta Kirk, *Stud. Fl.*:57 (1899)

TYPE LOCALITY: "Mount Stokes, 3000 ft. J. MacMahon!, Westport, on the sea-bench, Dr. Gaze ..."

Specimen: SYNTYPE or ISOSYNTYPE, * Mount Stokes, Marlborough, J.H. MacMahon, no date, AK 4030.

Stellaria oligosperma Colenso, *Trans. Proc. N.Z. Inst.* 18:257 (1886)

TYPE LOCALITY: "In the shaded forests, near Norsewood, County of Waipawa; 1883-85. W.C."

Specimen: ? SYNTYPE, in forest, Norsewood, Waipawa, W.C., no date, AK 4017.

Stellaria pellucida Colenso, *Trans. Proc. N.Z. Inst.* 27:383 (1895)

TYPE LOCALITY: "Interior deep forests near Dannevirke, County of Waipawa; March 1894, W. C."

Specimen: ? SYNTYPE, * Dannevirke, H.B., W. Col., no date, AK 4018.

CHENOPODIACEAE

Atriplex buchananii Kirk var. *tenuicaulis* Petrie, *Trans. Proc. N.Z. Inst.* 47:54 (1915)

TYPE LOCALITY: "Moist grassy stations by the seaside. Centre Island; T. Kirk! A small island off Ototara, near Oreti mouth; J. Crosby Smith!"

Specimen: SYNTYPE or ISOSYNTYPE, * island opposite Ototara, near Oreti mouth, Southland, J. Crosby Smith, no date, AK 3961.

Chenopodium buchananii Kirk, *Trans. Proc. N.Z. Inst.* 22:447 (1889)

TYPE LOCALITY: "New Zealand, North Island: Port Nicholson; J. Buchanan, T. Kirk. South Island: The Brother Rocks, Nelson; C. Robson! Maniototo Plains (1,800 ft); D. Petrie, T. Kirk, Centre Island, Foveaux Strait; T. Kirk."

Specimen: SYNTYPE, Port Nicholson, no collector (label in Kirk's hand), no date, AK 14782 (ex Herb. T. Kirk).

CORIARIACEAE

Coriaria angustissima Hook.f., *Handbk. N.Z. Fl.*:47 (1864)

TYPE LOCALITY: "Northern Island: Mount Egmont. Dieffenbach; top of the Ruahine Range, Colenso. Middle Island: abundant in subalpine localities from Nelson, Sinclair, to Otago, Hector and Buchanan."

Specimen: ? SYNTYPE or ? ISOSYNTYPE, Mt Alta, Wanaka Lake District, N.Z., no collector (label in Buchanan's hand), no date, AK 5090 (ex WELT).

CORNACEAE

Corokia buddleoides A. Cunn. var. *linearis* Cheeseman, *Man. N.Z. Fl.*:686 (1925)

TYPE LOCALITY: "Upper Kaueranga Valley, Thames, T.F.C."

Specimens: SYNTYPES, Thames Goldfields, 2000 ft, T.F.C., 1873, AK 6730; Kaueranga Valley, Thames, T.F.C., Oct 1880, AK 6731.

Corokia cheesemanii Carse, *Trans. Proc. N.Z. Inst.* 45:276 (1913)

TYPE LOCALITY: "North Island: Spirits Bay, North Cape District; T.F.C.! Tauroa, in woods; H.B. Matthews! H.C."

Specimens: SYNTYPES, Shag Gully, H.C., Jan 1912, AK 6741, AK 6744-6747; Shag Gully, Tauroa, H.C., Oct 1912, AK 6742-6743; SYNTYPES or ISOSYNTYPES, Kapowairua, Spirits Bay, T.F.C., Jan 1896, AK 6738, AK 210757-210759 (formerly AK 6738.2-6738.4); * Tauroa, Ahipara, R.H. Matthews, no date, AK 6739-6740.

Corokia macrocarpa Kirk, *Stud. Fl.*:224 (1899)

TYPE LOCALITY: "Chatham Islands, Dieffenbach, Gilbert Mair! H. Travers! Cox!"

Specimens: SYNTYPES, Chatham Islands, no collector (label in Kirk's hand), no date, AK 6735 (ex Herb. T. Kirk), AK 11537 (ex Herb. T. Kirk); no locality, no collector (label in Kirk's hand), no date, AK 11539 (ex Herb. T. Kirk); SYNTYPES or ISOSYNTYPES, * Whangamarino Reserve, F.A.D. Cox, no date, AK 6736 (ex Herb. L. Cockayne); * Chatham Islands, F.A.D. Cox, no date, AK 6737; forests near Whangamarino, Chatham Island, F.A.D. Cox, no date, AK 104276 (ex Herb. H.B. Matthews).

CRASSULACEAE

Crassula raumahanga ≡ *Tillaea acutifolia*

Tillaea acutifolia Kirk, *Stud. Fl.*:143 (1899) ≡ *Crassula raumahanga* A. P. Druce, *N.Z. J. Bot.* 25:128 (1987)

TYPE LOCALITY: "North Island, Harunuiourangi (flowers not seen). South Island: Winton Forest, Southland, T.K. Dec."

Specimen: SYNTYPE, * Winton Forest, Southland, T. Kirk, no date, AK 4557.

Tillaea kirkii Allan, *Fl. N.Z.* 1:199 (1961)

TYPE LOCALITY: "North Island, Miramar."

Specimens: ? ISOTYPES, * Miramar, near Wellington, T. Kirk, no date, AK 4546; Miramar Peninsula, T. Kirk, no date, AK 4547 (holotype in WELT, †Allan 1961:199).

Tillaea novae-zelandiae Petrie, *Trans. Proc. N.Z. Inst.* 25:270 (1893)

TYPE LOCALITY: "Waipahi, Lake Waihola, Lake Te Anau."

Specimen: SYNTYPE, Waipahi, Otago, no collector (label in Petrie's hand), Dec 1891, AK 4552 (ex Herb. D. Petrie).

Tillaea novae-zelandiae Petrie var. *obtusata* Kirk, *Stud. Fl.*:142 (1899)

TYPE LOCALITY: "South Island: Waipahi, Te Anau, Petrie."

Specimen: SYNTYPE, Lake Waihola, no collector (label in Petrie's hand), no date, AK 4553 (ex Herb. D. Petrie).

DROSERACEAE

Drosera flagellifera Colenso, *Trans. Proc. N.Z. Inst.* 23:384 (1891)

TYPE LOCALITY: "Margins of streamlets, low open grounds, south of Dannevirke, County of Waipawa; December 1890: W.C."

Specimen: ? SYNTYPE, * Waipawa, Hawkes Bay, W. Colenso, no date, AK 4531.

ELAEOCARPACEAE

Aristotelia fruticosa Hook.f. var. *rigidula* G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 73:158 (1947)

TYPE LOCALITY: "... Flagstaff Hill near Dunedin."

Specimens: SYNTYPES, * Flagstaff Hill, G. Simpson, no date, AK 22914-22920.

Elaeocarpus dentatus (J.R. et G. Forst.) Vahl var. *obovatus* Cheeseman, *Trans. Proc. N.Z. Inst.* 39:442 (1907)

TYPE LOCALITY: "Riwaka (north-west Nelson); H.J. Matthews!"

Specimen: SYNTYPE, * Riwaka, Nelson, H.J. Matthews, no date, AK 5166.

EPACRIDACEAE

Dracophyllum adamsii Petrie, *Trans. Proc. N.Z. Inst.* 55:435 (1924)

TYPE LOCALITY: "Roadside near mouth of Awatere River, East Cape district: James Adams and D.P. Edge of forest near Peria (Mongonui): H. Carse! Various stations in North Cape district: T.F. Cheeseman!"

Specimens: SYNTYPES or ISOSYNTYPES, Watts Bush, H.C., 10 Oct 1913, AK 6934 (ex Herb. H. Carse); growing in open near Watts Bush, Peria, H.C., Sep 13, AK 6935 (ex Herb. H. Carse); growing in mixed forest, Watts Bush, Peria, H.C., 14 Sep 13, AK 6936 (ex Herb. H. Carse); growing in mixed bush, Watts Bush, Peria, H.C., 14 Sep 1913, AK 6937 (ex Herb. H. Carse); Watts Bush, Peria, H. Carse, 14 Sep 1913, AK 105779 (ex Herb. H. Carse, ex Herb.

H.B. Matthews), AK 211639 (formerly AK 105779, ex Herb. H. Carse, ex Herb. H.B. Matthews).

Note: No Cheeseman specimen(s) located.

Dracophyllum latifolium A. Cunn. var. *matthewsii* Carse, *Trans. Proc. N.Z. Inst.* 48:238 (1916)

TYPE LOCALITY: "Dry ridges in hilly forests in the county."

Specimens: SYNTYPES, upper part of high ridge in forest mar., Peria Gum Hills, H.B.M. & H.C., Oct 1914, AK 6909 (ex Herb. H. Carse), AK 211640 (formerly AK 6909.2, ex Herb. H. Carse); * in mixed forest hilly country, near Taumata Mahoe, vicinity of Kaitaia, elevation 1600 ft, H.B. Matthews, 2 Oct 1913, AK 6910 (ex Herb. H. Carse); * Taumatamahoe Range, H. Carse, Oct 1913, AK 6911 (ex Herb. H. Carse); SYNTYPE or ISOSYNTYPE, on high ridge in forest near Peria Gumhills, no collector (label in Matthews's hand), Oct 1914, AK 105797 (ex Herb. H.B. Matthews).

Dracophyllum muscoides Hook.f., *Handbk. N.Z. Fl.*:183 (1864)

TYPE LOCALITY: "Middle Island: alps of Otago, alt. 7-8000 ft, Hector and Buchanan."

Specimen: ? SYNTYPE or ? ISOSYNTYPE, Mt Alta, 5-7000 ft, no collector (label in Buchanan's hand), no date, AK 7046 (ex WELT).

Dracophyllum oliveri Du Rietz, *Svensk bot. Tidskr.* 24:374 (1930)

TYPE LOCALITY: Not stated.

Specimens: ? SYNTYPES or ? ISOSYNTYPES, * Mount Rochfort, near Westport, D. Petrie, mid Feby 1913, AK 105780; Mt Rochfort, near Westport, D. Petrie, mid Feby 1913, AK 105781.

Dracophyllum paludosum Cockayne, *Trans. Proc. N.Z. Inst.* 34:318 (1902)

TYPE LOCALITY: Not stated.

Specimens: SYNTYPES, Chatham Island, Cox & Cockayne, Jan 1901, AK 6996; boggy ground, higher portion of Whangamarino, Chatham Island, L.C., no date, AK 6998; Chatham Island, L. Cockayne, Jan 01, AK 10526 (ex Herb. H.B. Matthews).

Dracophyllum pubescens Cheeseman, *Man. N.Z. Fl.*:426 (1906)

TYPE LOCALITY: "South Island: Nelson - mountains near Westport, Townson! 1500-2500 ft."

Specimens: SYNTYPES, * Denniston, near Westport, 1800 ft, W. Townson, no date, AK 7004, AK 211641 (formerly AK 7004.2); * Mount Frederic, near Westport, alt. 3000 ft, W. Townson, no date, AK 7005; * Mount Frederic, near Westport, W. Townson, no date, AK 7006.

Dracophyllum recurvatum Colenso, *Trans. Proc. N.Z. Inst.* 29:93 (1889)

TYPE LOCALITY: "On high grounds from 2,000 ft to 3,000 ft alt., hills around Lake Waikare, County of Wairoa; 1888, Mr H. Hill."

Specimen: ? SYNTYPE, * hills around Lake Waikare, County of Wairoa, Mr H. Hill, 1888, AK 6904.

Dracophyllum rosmarinifolium R. Br. var. *politum* Cheeseman, *Man. N.Z. Fl.*:427 (1906)

TYPE LOCALITY: "Maungatua, near Dunedin, Petrie! Mount Anglem and Smith's lookout (Stewart Island), Kirk! 2500-5500 ft. December-March."

Specimens: SYNTYPES, * Mount Anglem, Stewart Island, T. Kirk, no date, AK 7032; * Mount Maungatua, near Dunedin, D. Petrie, no date, AK 7033.

Dracophyllum townsonii Cheeseman, *Man. N.Z. Fl.*:420 (1906)

TYPE LOCALITY: "South Island: Nelson - vicinity of Westport, Townson!"

Specimens: SYNTYPES, * vicinity of Westport (Mount Buckland), W. Townson, no date, AK 6924; Mount Buckland, near Westport, W. Townson, no date, AK 6923, AK 6925-6926, AK 211642-211643 (formerly AK 6925.2-6925.3).

Dracophyllum uniflorum Hook.f. var. *acicularifolium* Cheeseman, *Man. N.Z. Fl.*:427 (1906)

TYPE LOCALITY: "Broken River basin, and other localities in the mountains of Canterbury, Kirk! Enys! T.F.C."

Specimen: SYNTYPE, * Castle Rock, Canterbury Alps, J.D. Enys, 1885, AK 7027.

Note: No Cheeseman specimen(s) located.

Dracophyllum uniflorum Hook.f. var. *virgatum* Cheeseman, *Man. N.Z. Fl.*:427 (1906)

TYPE LOCALITY: "Westland - near Kumara, Kirk! Denniston, J. Caffin! 2000-4500 ft. December-March."

Specimen: SYNTYPE, * between Kumara and Marsden, Westland, T. Kirk, no date, AK 7028.

Dracophyllum urvilleanum A. Rich. var. *montanum* Cheeseman, *Man. N.Z. Fl.*:424 (1906)

TYPE LOCALITY: "Mount Hikurangi; Tongariro and Ruapehu, Ruahine Mountains, Tararua Mountains, and apparently not uncommon in the mountains of the South Island, from 2500 ft to 4500 ft."

Specimens: ? SYNTYPES, * Mount Duppa, Marlborough, J.H. Macmahon, no date, AK 6979; * Mt Glasgow, Nelson, alt. 3000-4000 ft, W. Townson, no date, AK 6980; * Mt Lyell, Buller Valley, 3-4000 ft, W. Townson, no date, AK 6981; * Ruahine Mountains, 4000 ft, D. Petrie, no date, AK 7055.

Dracophyllum viride W.R.B. Oliv., *Trans. Proc. N.Z. Inst.* 59:699 (1929)

TYPE LOCALITY: "Mangonui County, North New Zealand ... Spirits Bay, Peria."

Specimen: SYNTYPE, forest, Spirit's Bay, W.R.B.O., 28/11/16, AK 105638.

Epacris sinclairii Hook.f., *Handbk. N.Z. Fl.*:179 (1864)

TYPE LOCALITY: "Northern Island, Herb. Sinclair."

Specimen: SYNTYPE, * Northern Island, herb. Dr Sinclair, no date, AK 6873 (ex Herb. A. Sinclair).

Leucopogon brevibarbis Stschegl. *Bull. Soc. Nat. Mosc.* 32:14 (1859)

TYPE LOCALITY: "Prope Wellington, T.S. Ralph no. 11."

Specimen: SYNTYPE, * near Wellington, T.S. Ralph no. 11, 1849-1852, AK 143169 (ex BM).

ERICACEAE

Gaultheria antipoda G. Forst. var. *erecta* Cheeseman, *Man. N.Z. Fl.*:689 (1925)

TYPE LOCALITY: "Abundant through-out from the North Cape southwards. Sea-level to 4000 ft."

Specimens: SYNTYPES, *Dannevirke, Hawkes Bay, W. Colenso, no date, AK 6789; summit of Pirongia, alt. 2800 ft, T.F.C., Jan 1899, AK 6790; Coromandel, T.F.C., October 1882, AK 6791, AK 211638 (formerly AK 6791.2); Remuera, T.F.C., no date, AK 6792.

Gaultheria antipoda G. Forst. var. *fluviatillis* Cheeseman, *Man. N.Z. Fl.*:689 (1925)

TYPE LOCALITY: "Abundant through-out from the North Cape southwards. Sea-level to 4000 ft."

Specimen: SYNTYPE, Whangarei River, T.F.C., no date, AK 6793.

Gaultheria epiphyta Colenso, *Trans. Proc. N.Z. Inst.* 22:474 (1890)

TYPE LOCALITY: "Wood, south of Dannevirke, County of Waipawa; 1887-89: W.C."

Specimen: ? SYNTYPE, *Dannevirke, Hawkes Bay, W. Colenso, no date, AK 6789.

Gaultheria rupestris R. Br. var. *lanceolata* Cheeseman, *Man. N.Z. Fl.*:407 (1906)

TYPE LOCALITY: "North and South Islands; Not uncommon in hilly and mountainous districts from the Thames goldfields southwards. Sea-level to 5000 ft."

Specimen(s): Not located, present in 1949 (Cooper 1949). No potential Cheeseman neotypes identified.

EUPHORBIACEAE

Poranthera alpina Cheeseman ex Hook.f., *Ic. Pl.* t1366B (1881)

TYPE LOCALITY: "New Zealand, Nelson Province, Port Arthur, alt. 4-500 to 5-800 ft. T.F. Cheeseman. H. Jay."

Specimen: SYNTYPE, Mt Arthur, Nelson, 5000 ft, T.F.C., Jan 1881, AK 5061.

FABACEAE (PAPILIONACEAE)

Carmichaelia acuminata Kirk, *Stud. Fl.*:114 (1899)

TYPE LOCALITY: "North Island: White Rock, East Coast. T.K."

Specimen: SYNTYPE, White Rock, East Coast, T. Kirk, no date, AK 4918.

Carmichaelia aligera G. Simpson, *Trans. R. Soc. N.Z.* 75:250 (1945)

TYPE LOCALITY: "... collected by Miss L.B. Moore at Anawhata."

Specimens: SYNTYPE, * Anawhata, West Coast, Auckland, L.B. Moore, no date, AK 103140 (ex Herb. G. Simpson); PARATYPES, Waitakerei (*sic*) River, T.F.C., May 1883, AK 4848, AK 209795-209796 (formerly AK 4848.2-4848.3).

Carmichaelia angustata Kirk, *Stud. Fl.*:114 (1899)

TYPE LOCALITY: "South Island: Nelson: valley of the Buller; especially plentiful near the Lyall junction; T.K."

Specimen: SYNTYPE, junction of the Lyall and Buller, T.K., no date, AK 4903.

Carmichaelia angustata Kirk var. *pubescens* G. Simpson, *Trans. R. Soc. N.Z.* 75:243 (1945)

TYPE LOCALITY: "... the Longford Bridge, near Murchison, by Mr A.W. Wastney ..."
Specimen: SYNTYPE, * cultivated, ex Longford Bridge over Buller R. near Murchison, A.W. Wastney, no date, AK 102866, (ex Herb. G. Simpson).

Carmichaelia appressa G. Simpson, *Trans. R. Soc. N.Z.* 75:263 (1945)

TYPE LOCALITY: "... Ellesmere Spit ..."
Specimen: SYNTYPE, * Ellesmere Spit, G. Simpson, no date, AK 70625.

Carmichaelia astonii G. Simpson, *Trans. R. Soc. N.Z.* 75:276 (1945)

TYPE LOCALITY: "Limestone in the Ure and Inner Clarence Valleys and their tributaries, and at Weld Cone, Marlborough."

Specimens: SYNTYPE, * isolated hill, mouth of the Ure River, Marlborough, G. Simpson, Feb 1937, AK 70629; PARATYPES, * inland Kaikoura, no collector, Dec 1915, AK 103194-103196, AK 209782.

Carmichaelia australis R. Br. var. *strictissima* Kirk, *Stud. Fl.*:110 (1899)

TYPE LOCALITY: "White Cliffs, Taranaki, Cheeseman!"

Specimens: SYNTYPES or ISOSYNTYPES, White Cliffs, Taranaki, T.F.C., Jan 1885, AK 4855, AK 214595 (previously AK 4855.2).

Carmichaelia curta Petrie, *Trans. Proc. N.Z. Inst.* 25:271 (1893)

TYPE LOCALITY: "Waitaki River, at Duntroon and Kurow."

Specimen: SYNTYPE, * Duntroon, Waitaki River, D. Petrie, March 1892, AK 4930, AK 209770.

Carmichaelia curta Petrie var. *glabra* G. Simpson, *Trans. R. Soc. N.Z.* 75:282 (1945)

TYPE LOCALITY: "... from near Waitaki Dam ..."

Specimen: SYNTYPE, * near Waitaki Dam, Otago, G. Simpson, no date, AK 103182 (ex Herb. G. Simpson).

Carmichaelia diffusa Petrie, *Trans. Proc. N.Z. Inst.* 25:272 (1893)

TYPE LOCALITY: "East coast of Otago, near the mouth of the Otepopo River."

Specimens: SYNTYPES, near mouth of the Otepopo River, D. Petrie, no date, AK 4874 (ex Herb. D. Petrie); * near mouth of the Otepopo River, D. Petrie, no date, AK 209776 (formerly AK 4874.2, ex Herb. D. Petrie).

Carmichaelia enysii Kirk var. *ambigua* G. Simpson, *Trans. R. Soc. N.Z.* 75:269 (1945)

TYPE LOCALITY: "... gravelly ground near Kurow, Waitaki Valley, North Otago."

Specimens: SYNTYPE, * gravelly ground near Kurow Waitaki Valley, North Otago, G. Simpson, no date, AK 103141 (ex Herb. G. Simpson); PARATYPE, * Naseby, no collector, Dec 1889, AK 103142.

Carmichaelia glabrata G. Simpson, *Trans. R. Soc. N.Z.* 75:243 (1945)

TYPE LOCALITY: "... the Pelorus River."

Specimen: SYNTYPE, * banks of the Pelorus River, G. Simpson, no date, AK 209771 (ex Herb. G. Simpson).

Carmichaelia grandiflora Hook.f. var. *dumosa* Kirk, *Stud. Fl.*:111 (1899)

TYPE LOCALITY: "Broken River Basin."

Specimen: SYNTYPE, * Broken River Basin, Canterbury, alt. 2000 ft, T. Kirk, no date, AK 4897.

Carmichaelia hollowayi G. Simpson, *Trans. R. Soc. N.Z.* 75:277 (1945)

TYPE LOCALITY: "... the foothills of Mt St Mary."

Specimen: SYNTYPE, * foothills of Mt St Mary, North Otago, G. Simpson, no date, AK 103186 (ex Herb. G. Simpson).

Carmichaelia juncea Colenso ex Hook.f., *Fl. N.Z.* 1:51 (1852)

TYPE LOCALITY: "Northern and Middle Islands, East Cape, Sinclair, Hawke's Bay and Taupo, Colenso. Akaroa, Raoul ..."

Specimen: ? SYNTYPE, * no locality, W. Colenso, no date, AK 4932.

Carmichaelia kirkii Hook.f. var. *strigosa* G. Simpson, *Trans. R. Soc. N.Z.* 75:267 (1945)

TYPE LOCALITY: "... terraces of the Poulter River, Upper Waimakiriri Basin."

Specimens: SYNTYPES, * terraces, Poulter River, Upper Waimakiriri Basin, Canterbury, G. Simpson, no date, AK 103150 (ex Herb. G. Simpson), AK 103151; PARATYPES, * Otepopo, D. Petrie, no date, AK 4876-4877, AK 209785-209786 (formerly AK 4876.2-4876.3).

Carmichaelia lacustris G. Simpson, *Trans. R. Soc. N.Z.* 75:282 (1945)

TYPE LOCALITY: "... shores below the Accomodation House, L. Manapouri."

Specimens: SYNTYPES, * Lake Manapouri, Otago, H.J. Matthews, Feb 1909, AK 4936, AK 209783-209784 (formerly AK 4936.2-4936.3); * shores of Lake Manapouri (below Accomodation House), G. Simpson, no date, AK 103181 (ex Herb. G. Simpson).

Carmichaelia monroi Hook.f. var. *longecarinta* G. Simpson, *Trans. R. Soc. N.Z.* 75:279 (1945)

TYPE LOCALITY: "... terraces above the Poulter River, Upper Waimakariri River Basin, Canterbury."

Specimens: SYNTYPE, * terrace, Poulter River, Upper Waimakiriri, Canterbury, G. Simpson, Jan 1938, AK 103183, (ex Herb. G. Simpson); PARATYPES, Mt Torlesse, Canterbury Alps, alt. 3000 ft, T.F.C., Jan 1880, AK 4833; Castle Hill, Canterbury Alps, alt. 2500 ft, T.F.C., Jan 1880, AK 4835; * Porter's Pass, Canterbury, L.M. Cranwell & L.B. Moore, Jan 1931, AK 103184; old flood-plain of R. Waitaki, Kurow at 670 ft alt, L.C., 22/Nov/1919, AK 103185.

Carmichaelia nigrans G. Simpson, *Trans. R. Soc. N.Z.* 75:285 (1945)

TYPE LOCALITY: Not stated.

Specimens: SYNTYPES, * margins of Makaroa R., Lake Wanaka, L. W. Caskill, no date, AK 103180 (ex Herb. G. Simpson), AK 209773.

Carmichaelia nigrans G. Simpson var. *tenuis* G. Simpson, *Trans. R. Soc. N.Z.* 75:285 (1945)

TYPE LOCALITY: "... the Waiho River."

Specimen: SYNTYPE, * Waiho River, Westland, G. Simpson, no date, AK 209772 (ex Herb. G. Simpson).

Carmichaelia ovata G. Simpson, *Trans. R. Soc. N.Z.* 75:260 (1945)

TYPE LOCALITY: "... the Awatere Valley, near Seddon, Marlborough."

Specimens: SYNTYPES, * Awatere Valley, near Seddon, Marlborough, G. Simpson, no date, AK 102883-102884 (ex Herb. G. Simpson); PARATYPES, * Awatere River, Marlborough, J.H. Macmahon, no date, AK 4940-4942, AK 209788-209790 (formerly AK 4940.2-4940.4), AK 209791-209793 (formerly AK 4941.2-4941.4).

Carmichaelia petriei Kirk, *Stud. Fl.*:111 (1899)

TYPE LOCALITY: "South Island: Otago: Clutha Valley: north of Clyde; valleys and terraces on east and west of the Dunstan mountains; Petrie!"

Specimen: SYNTYPE or ISOSYNTYPE, Dunstan Gorge, Cromwell, D.P., no date, AK 4865 (ex Herb. D. Petrie).

Carmichaelia petriei Kirk var. *minor* G. Simpson, *Trans. R. Soc. N.Z.* 75:271 (1945)

TYPE LOCALITY: "... flats at the Matukituki River near the forks to east & west."

Specimens: PARATYPES, growing amongst various other shrubs on dry hill side at Kingston, Lake Wakatipu, alt. 325 m, L. Cockayne, March 1897, AK 4862 (ex Herb. L. Cockayne); Cromwell, Otago, D. Petrie, no date, AK 4863; * base of Mt Roy, Wanaka, L. Cockayne, 6.3.1919, AK 103164-103166; base of Mt Roy, Wanaka, L. Cockayne, 6.3.1919, AK 103162; * Cromwell, Central Otago, E. Phillips Turner, no date, AK 103163 (ex Herb. E. Phillips Turner).

Carmichaelia ramosa G. Simpson, *Trans. R. Soc. N.Z.* 75:272 (1945)

TYPE LOCALITY: "... the northern slopes of Dansy's Pass, North Otago."

Specimens: SYNTYPE, * between Dansy's Pass and Livingstone, N. Otago, G. Simpson, 28.1.1939, AK 70628 (ex Herb. G. Simpson); PARATYPES, * Pigroot Creek, Central Otago, G. Simpson, Dec 1938, AK 103160; * near Kyeburn, Otago Central, G. Simpson, Jan 1937, AK 103161.

Carmichaelia rivulata G. Simpson, *Trans. R. Soc. N.Z.* 75:264 (1945)

TYPE LOCALITY: "... old river bed of the Dobson River, above Lake Ohau."

Specimen: SYNTYPE, * Old River Bed, Dobson River, above L. Ohau, G. Simpson, no date, AK 70624 (ex Herb. G. Simpson).

Carmichaelia robusta Kirk, *Stud. Fl.*:111 (1899)

TYPE LOCALITY: "South Island: Broken River Basin, 2,000 ft to 2,800 ft, Enys and T.K."

Specimen: SYNTYPE, * Broken River Basin, Canterbury, alt. 2500 ft, T. Kirk, no date, AK 4868.

Carmichaelia silvatica G. Simpson, *Trans. R. Soc. N.Z.* 75:251 (1945)

TYPE LOCALITY: "... collected by Mr A.D. McKinnon at the Waipoua River ..."

Specimen: SYNTYPE, * cultivated, ex Waipoua River, A.D. McKinnon, no date, AK 103110 (ex Herb. G. Simpson).

Carmichaelia solandri G. Simpson, *Trans. R. Soc. N.Z.* 75:254 (1945)

TYPE LOCALITY: "... Whakatane by Miss L.B. Moore."

Specimens: SYNTYPE, * Whakatane, L.B. Moore, no date, AK 102897 (ex Herb. G. Simpson); PARATYPES, Mt Manaia, T.F.C., Aug 1878, AK 4846; sandhills near Woodhill,

T.F.C., June 1910, AK 4847, AK 209779 (formerly AK 4847.2), AK 209781 (formerly AK 4847.5); * sandhills near Woodhill, T.F.C., June 1910, AK 209778 (formerly AK 4847.2), AK 209780 (formerly AK 4847.4).

Carmichaelia violacea Kirk, *Stud. Fl.*:112 (1899)

TYPE LOCALITY: "South Island. Coleridge Pass, 2,500 to 3,000 ft, Enys and T.K."
Specimens: SYNTYPE, * Coleridge Pass, Canterbury, T. Kirk, no date, AK 4866.

Carmichaelia virgata Kirk, *Stud. Fl.*:112 (1899)

TYPE LOCALITY: "South Island: Otago, Petrie! Makarewa and Orepuke, Southland, T.K. Dec, Jan."
Specimens: SYNTYPES, * Otago, D. Petrie ex Kirk, no date, AK 4873, AK 209787 (formerly AK 4873.2).

Carmichaelia williamsii Kirk, *Trans. Proc. N.Z. Inst.* 12:394 (1880)

TYPE LOCALITY: "North Island; Ruakokore Bay, Bay of Plenty, Hick's Bay - Archdeacon W.L. Williams."
Specimens: ISOSYNTYPES, * East Cape, Bishop Williams, no date, AK 4824; * Hicks Bay, East Cape District, Bishop Williams, no date, AK 4841; * Hicks Bay, W.L. Williams, no date, AK 209794 (formerly AK 4841.2).

Chordospartium stevensonii Cheeseman, *Trans. Proc. N.Z. Inst.* 43:175 (1911)

TYPE LOCALITY: "South Island: foothills of the Seaward Kaikoura Mountains near the mouth of the Clarence River; altitude, 1,500-2,500 ft; Mr George Stevenson!"
Specimens: SYNTYPES, * Waiautoa (Clarence Bridge) Marlborough, G. Stevenson, no date, AK 4947-4948, AK 210739-210740 (formerly AK 4947.2-4947.3), AK 210741-210743 (formerly AK 4948.2-4948.4).

GENTIANACEAE

Gentiana antarctica Kirk, *Trans. Proc. N.Z. Inst.* 27:339 (1895)

TYPE LOCALITY: "Campbell Island."
Specimen: SYNTYPE, Campbell Island, no collector (label in Kirk's hand), no date, AK 7330 (ex Herb. T. Kirk), (Fig. 2).

Gentiana antarctica Kirk var. *imbricata* Kirk, *Trans. Proc. N.Z. Inst.* 27:340 (1895)

TYPE LOCALITY: "Campbell Island, T. Kirk."
Specimen: SYNTYPE, Campbell Island, no collector (label in Kirk's hand), no date, AK 7331 (ex Herb. T. Kirk).

Gentiana antipoda Kirk, *Trans. Proc. N.Z. Inst.* 27:340 (1895)

TYPE LOCALITY: "Antipodes Island: T. Kirk."
Specimens: SYNTYPES, Antipodes Island, no collector (label in Kirk's hand), no date, AK 7332-7333 (ex Herb. T. Kirk).

Gentiana astonii Petrie, *Trans. Proc. N.Z. Inst.* 48:187 (1916)

TYPE LOCALITY: "Limestone ridges, bare or covered with manuka scrub, near the sources of the Ure River, Marlborough; B.C. Aston!"

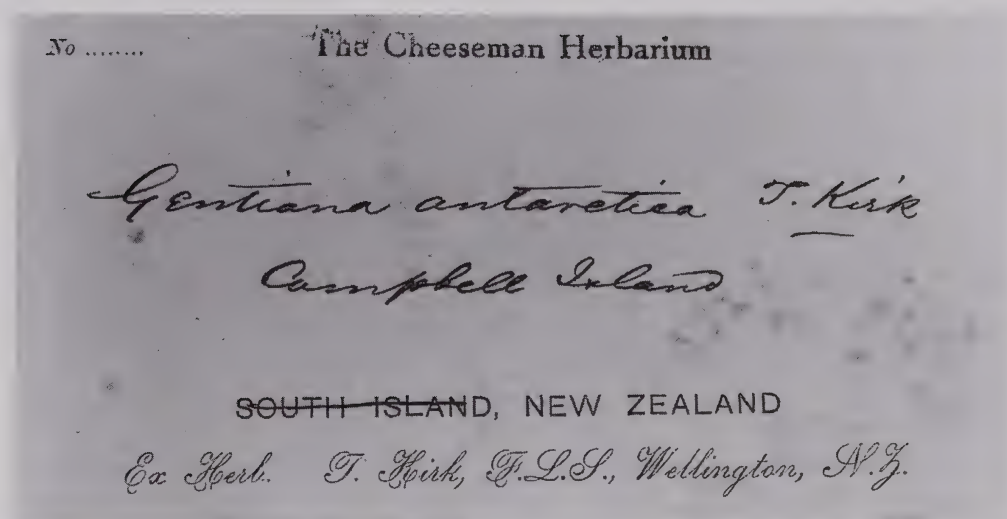


Fig. 2. Herbarium label of T. Kirk, 1890 (AK 7330), syntype of *Gentiana antarctica* (12 x 6 cm).

Specimens: ? SYNTYPES or ? ISOSYNTYPES, * Kaikoura Mts, Marlborough, B.C. Aston, no date, AK 7304; ? SYNTYPES, * Ure River, Marlborough, B.C. Aston, no date, AK 107114 (ex Herb. E. Phillips Turner); Growing on loose talus in river, no collector (label in Carse's hand), April 1915, AK 107115 (ex Herb. B.C. Aston, ex Herb. L. Cockayne); Benmore, 3000 ft, no collector (label in Carse's hand), 15 April 1915, AK 107116 (ex Herb. B.C. Aston, ex Herb. L. Cockayne).

Gentiana cerina Hook.f. forma *suberecta* Kirk, *Trans. Proc. N.Z. Inst.* 27:339 (1895)

TYPE LOCALITY: "Auckland Islands; sea-level to 900 ft."

Specimen: SYNTYPE, * Auckland Islands, T. Kirk, no date, AK 7327.

Gentiana chathamica Cheeseman, *Man. N.Z. Fl.*:449 (1906)

TYPE LOCALITY: "Chatham Islands: Abundant in wet places, Travers! Miss Seddon! Cox and Cockayne!"

Specimens: SYNTYPES, * peaty swamps, Chatham Islands, F.A.D. Cox, no date, AK 7181; * Chatham Islands, in wet places, Miss Seddon, no date, AK 7182; Whangamarino Run, Cox & Cockayne, Jan 1901, AK 7183.

Gentiana concinna Hook.f., *Fl. Antarctica* 1:53 (1844)

TYPE LOCALITY: "Lord Auckland's Group; on the bleak and exposed faces of the mountains."

Specimen: SYNTYPE, * Lord Auckland Group, J.D. Hooker, 1839-1843, AK 54670 (ex BM).

Gentiana concinna Hook.f. var. *robusta* Hook.f., *Fl. Antarctica* 1:53 (1844)

TYPE LOCALITY: "Campbell's Island, on the hills, abundant."

Specimen: SYNTYPE, * Campbell Island, J.D. Hooker, 1839-1843, AK 209537 (ex BM).

Gentiana filipes Cheeseman, *Trans. Proc. N.Z. Inst.* 28:536 (1896)

TYPE LOCALITY: "Mount Arthur, Nelson; alt. 4000 ft."

Specimen: SYNTYPE, Mt Arthur, Nelson, 5000 ft, T.F.C., Jan 1886, AK 7160.

Gentiana gracilifolia Cheeseman, *Man. N.Z. Fl.*:1144 (1906)

TYPE LOCALITY: "South Island: Nelson - Peaty localities by the margin of small tarns on the Mount Arthur Plateau, alt. 3500-4500 ft, T.F.C., F.G. Gibbs! February-March."

Specimens: SYNTYPES, * tarns on Mt Arthur Plateau, Nelson, alt. 4000 ft, F.G. Gibbs, Jan 1905, AK 7209; AK 7210; * Mount Arthur Plateau, Nelson, 4000 ft, F.G. Gibbs, March 1905, AK 7211-7212.

Gentiana lilliputiana C.J. Webb, *N.Z. J. Bot.* 28:1 (1990)

TYPE LOCALITY: "Upper Lauder Creek, Dunstan Mountains, Central Otago, D. Bruce, Jan 1985."

Specimen: PARATYPE, N.Z., Central Otago, Dunstan Mountains, upper Lauder Creek, D. Bruce, Jan 1985, AK 209141 (ex CHR, †Webb 1990:1), (holotype in CHR, †Webb 1990:1).

Gentiana lineata Kirk, *Trans. Proc. N.Z. Inst.* 27:334 (1895)

TYPE LOCALITY: "South Island: Hollows on the crest of the Longwood Range, Southland (1887); T. Kirk."

Specimens: SYNTYPES, Longwood Range, Southland, no collector (label in Kirk's hand), no date, AK 7161 (ex Herb. T. Kirk); * Longwood Range, Southland, T. Kirk, no date, AK 7163.

Gentiana montana G. Forst. var. *stolonifera* Cheeseman, *Man. N.Z. Fl.*:451 (1906)

TYPE LOCALITY: "Nelson - Mount Frederic, Mount Rochfort, Mount Buckland, and other peaks on the coast ranges near Westport, abundant, W. Townson! Otago - Dusky Sound, Forster, Anderson, Lyall. 2000-4000 ft. January-March."

Specimens: SYNTYPES, Mount Rochfort, near Westport, 2,500 ft, near scrub, W. Townson, no date, AK 7205; * Mount Frederick, near Westport, 3,000 ft, W. Townson, no date, AK 7206; Mount Rochfort, near Westport, 3000 ft, W. Townson, no date, AK 7207.

Gentiana novae-zelandiae J.B. Armstr., *Trans. Proc. N.Z. Inst.* 4:291 (1872)

TYPE LOCALITY: "Sources of the Rangitata River, Armstrong!"

Specimen: SYNTYPE, Southern Alps, J.B. Armstrong, no date, AK 7179.

Gentiana serotina Cockayne, *Trans. Proc. N.Z. Inst.* 47:113 (1915)

TYPE LOCALITY: "South Island: Canterbury - Growing in tussock steppe of upper part of the Canterbury Plain and the Malvern Hills. L.C."

Specimens: SYNTYPES, growing on stony ground in full sunshine - upper Canterbury Plain, nr. Springfield, 660 m, L. Cockayne, 6 April 1899, AK 7240 (ex Herb. L. Cockayne); Upper Canterbury Plains, L. Cockayne, Apr 99, AK 209538 (ex Herb. H.B. Matthews).

Gentiana tenuifolia Petrie, *Trans. Proc. N.Z. Inst.* 45:270 (1913)

TYPE LOCALITY: "Lyell Creek, 1,000 ft, and Boundary Peak, near edge of scrub (south-west Nelson), 4000 ft ... Mr Townson ..."

Specimens: ? SYNTYPES, * Lyell Creek, Buller Valley, 1000 ft, W. Townson, no date, AK 7184; * Boundary Peak, Lyell District, 2000 ft, W. Townson, no date, AK 7185.

Gentiana tereticaulis Petrie, *Trans. Proc. N.Z. Inst.* 49:51 (1917)

TYPE LOCALITY: "Gentle grassy slopes at the foot of Lake Harris, Routeburn Valley, Lake County."

Specimen: SYNTYPE, * Lake Harris, Otago, D. Petrie, no date, AK 7191.

Gentiana townsonii Cheeseman, *Man. N.Z. Fl.*:450 (1906)

TYPE LOCALITY: "Nelson - Bidwill (n. 67 in Herb. Kew, fide N.E. Brown); coast ranges near Westport, Mount Frederic, Mount Rochfort, Mount Buckland, &c., Townson! Sounds of the south-west coast of Otago, Lyall (fide N.E. Brown). 1000-4000 ft."

Specimens: SYNTYPES, * Mount Rochfort, near Westport, alt. 3000 ft, W. Townson, no date, AK 7213; Mount Buckland, near Westport, 4000 ft, W. Townson, no date, AK 7214; * mountains near Westport, 2500 ft, W. Townson, no date, AK 7216-7219; * Mount Frederic, near Westport, 2500 ft, W. Townson, no date, AK 7220-7221, AK 209539 (formerly AK 7220.2).

Gentiana vernicosa Cheeseman, *Man. N.Z. Fl.*:1145 (1906)

TYPE LOCALITY: "South Island: Nelson - Mount Lockett (to the north of Mount Arthur), alt. 3500-4500 ft, F.G. Gibbs!"

Specimens: SYNTYPES, * Mt Lockett, 4000 ft, F.G. Gibbs, no date, AK 7268; * Mt Lockett, 4000 ft, F.G. Gibbs, March 1903, AK 7269, AK 209540 (formerly AK 7269).

GERANIACEAE

Geranium microphyllum Hook.f. var. *discolor* G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 73:156 (1943)

TYPE LOCALITY: "... the Port Hills near Christchurch ..."

Specimen: SYNTYPE, * no locality, G. Simpson, no date, AK 22909.

Geranium microphyllum Hook.f. var. *obtusatum* G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 73:156 (1943)

TYPE LOCALITY: "... from Flagstaff Hill, near Dunedin ..."

Specimen: SYNTYPE, * Flagstaff Hill, Dunedin, G. Simpson, no date, AK 22911.

GOODENIACEAE

Sellieria fasciculata Buchanan, *Trans. Proc. N.Z. Inst.* 31:211 (1871)

TYPE LOCALITY: "Collected by Dr Haast at Weka Pass, Canterbury."

Specimen: SYNTYPE, * Weka Pass, North Canterbury, no collector, no date, AK 9261 (ex Herb. J. Buchanan).

GUNNERACEAE

Gunnera arenaria Cheeseman in Kirk, *Trans. Proc. N.Z. Inst.* 27:348 (1895)

TYPE LOCALITY: "North Island: on sand-dunes, Waitakerei River, T.F. Cheeseman!"

Specimen: SYNTYPE, Waitakerei (*sic*) River, T.F.C., Nov 1870, AK 6029.

Gunnera densiflora Hook.f., *Handbk. N.Z. Fl.*:68 (1864)

TYPE LOCALITY: "Middle Island: Acheron and Clarence Rivers, alt. 4000 ft. Travers."

Specimen: SYNTYPE, * Acheron and Clarence Rivers, Nelson, 4000 ft, Travers, no date, AK 6018 (Specimen annotated "Fruit from the type! from Kew Herbarium. This may be kept.").

Gunnera densiflora Hook.f. var. *depressa* Kirk, *Trans. Proc. N.Z. Inst.* 17:347 (1895)

TYPE LOCALITY: "Southland; T. Waugh!"

Specimen: SYNTYPE, * Sandy Point, T. Waugh ex T. Kirk, no date, AK 6032.

Gunnera dentata Kirk, *Trans. Proc. N.Z. Inst.* 27:346 (1895)

TYPE LOCALITY: "North Island: Colenso (in Handbook); Petrie. South Island: Nelson to Southland, but often local; 1000 ft-3000 ft."

Specimens: SYNTYPES or ISOSYNTYPES, * Lake Wanaka, D. Petrie, no date, AK 6025; * Lake Hawea, D. Petrie, no date, AK 6026.

Gunnera hamiltonii Kirk ex W.S. Ham., *Trans. Proc. N.Z. Inst.* 17:292 (1885)

TYPE LOCALITY: "... occurring in patches on the hills near the New River Heads."

Specimen: SYNTYPE, * mouth of the Oreti River, Southland, W.S. Hamilton, no date, AK 6033.

Gunnera monoica Raoul var. *ramulosa* Kirk, *Stud. Fl.*:152 (1899)

TYPE LOCALITY: "South Island: Broken River, Enys! 2800 ft."

Specimen: ? SYNTYPE, * Broken River, Canterbury, J.D. Enys, no date, AK 5988.

Gunnera strigosa Colenso, *Trans. Proc. N.Z. Inst.* 15:322 (1883)

TYPE LOCALITY: "On clay banks in forest between Norsewood and Dannevirke, Hawkes Bay District, North Island, flowering in November, 1881-1882, W.C."

Specimen: ? SYNTYPE, * Matamau, Hawkes Bay, W. Colenso, no date, AK 5997.

HALORAGACEAE

Haloragis aggregata Buchanan, *Trans. Proc. N.Z. Inst.* 4:224 (1872)

TYPE LOCALITY: "Collected by H.H. Travers, near Lake Guyon, Nelson Province, February 1871."

Specimens: LECTOTYPE, * Nelson Province, H.H. Travers, no date, AK 5937 (†Orchard 1975:180); ISOLECTOTYPE, * Lake Guyon, H. Travers and J. Buchanan, no date, AK 5938 (†Orchard 1975:180).

Haloragis cartilaginea Cheeseman, *Trans. Proc. N.Z. Inst.* 29:390 (1897)

TYPE LOCALITY: "Cliffs near the North Cape; not uncommon."

Specimens: SYNTYPES, cliffs at the North Cape, T.F.C., January 1896, AK 5919 (†Orchard 1975:78), AK 209569 (formerly 5919.2, †Orchard 1975:78)

Haloragis minima Colenso, *Trans. Proc. N.Z. Inst.* 18:259 (1886)

TYPE LOCALITY: "Tarawera, high lands between Napier and Taupo, December 1884; Mr H. Hill."

Specimen: ISOLECTOTYPE, * Tarawera between Napier and Taupo, H. Hill for W. Colenso, 1885, AK 133495 (†Orchard 1975:238), (lectotype in WELT, †Orchard 1975:238).

Haloragis spicata Petrie, *Trans. Proc. N.Z. Inst.* 19:325 (1887)

TYPE LOCALITY: "Moist terraces, top of Lake Hawea, 1,150 ft."

Specimens: ISOLECTOTYPES, Hunter River, Hawea Lake, 1100 ft, D. Petrie, Feb 1886, AK 5939 (†Orchard 1975:181), AK 209568 (formerly AK 5939, †Orchard 1975:181), (lectotype in WELT, †Orchard 1975:181).

Haloragis tetragyna (Labill.) Hook.f. var. *diffusa* Hook.f., *Fl. N.Z.* 1:62 (1852)

TYPE LOCALITY: "Northern Island, abundant in dry places, Banks and Solander, Cunningham etc."

Specimen: ? SYNTYPE, * New Zealand, Banks and Solander, 1769-1770, AK 100922 (ex BM).

Haloragis uniflora Kirk, *Trans. Proc. N.Z. Inst.* 9:548 (1877)

TYPE LOCALITY: "South Island: the Bluff Hill, Southland."

Specimen: ISOLECTOTYPE, * Bluff Hill, Southland, T. Kirk, no date, AK 5942 (†Orchard 1975:181), (lectotype in WELT, †Orchard 1975:181).

Myriophyllum triphyllum Orchard, *Brunnonia* 2:259 (1980)

TYPE LOCALITY: "A.E. Orchard, 4916, New Zealand, South Island, Springs County, Lower Selwyn Huts, Lake Ellesmere ..."

Specimen: HOLOTYPE, South Island, Springs County, Lower Selwyn Huts, Lake Ellesmere, A.E. Orchard 4916, 24.ii.1977, AK 142779 (†Orchard 1980:259).

Myriophyllum votschii Schindl., *Pflanzenr.* 23:85 (1905)

TYPE LOCALITY: "Neu-Seeland: Nord-Insel, nahe Auckland (Hooker f.), nahe Manukau-Hafen (Cheeseman n. 1724); Omatangi, Taupo (Bergren); Lyall's Bay (Hector)-Herb. Barb-Boiss, Berlin, Deless. Petersb."

Specimens: ISOSYNTYPES, North Manukau Heads, T.F.C., Dec 1882, AK 5967; Manukau Heads, on wet sand, T.F.C., December 1884, AK 5968, AK 210724 (formerly AK 5968.2); * North Manukau Heads, T.F.C., Dec 1884, AK 5969.

ICANINACEAE

Plectomirtha baylisiana W.R.B. Oliv., *Rec. Auck. Inst. Mus.* 3:225 (1948)

TYPE LOCALITY: "Great Island: Only one tree found. On a steep scree of large greywacke boulders facing the sea and about 700 ft above it. Type specimen in the Auckland Museum, collected by G.T.S. Baylis on Great Island, Three Kings Group, December 2nd, 1945."

Specimens: HOLOTYPE, * Great Island, Three Kings, G.T.S. Baylis, 02/12/45, AK 22872; ISOTYPES, AK 22873-22875, AK 210753 (formerly AK 22872B).

LAMIACEAE (LABIATAE)

Mentha consimilis Colenso, *Trans. Proc. N.Z. Inst.* 18:264 (1886)

TYPE LOCALITY: "Dry grassy spots, margins of woods near Norsewood, County of Waipawa; 1882-85: W.C."

Specimen: ? SYNTYPE, * Norsewood, Hawkes Bay, W. Colenso, 1885, AK 7592.

LAURACEAE

Beilschmedia tawaroa A.E. Wright, *N.Z. J. Bot.* 22:119 (1984)

TYPE LOCALITY: "New Zealand, North Island, Hen and Chickens Island Group, Motumuka (Lady Alice) Island, on top of Tawaroa ridge, the ridge forming the western side of the Korimako Bay, altitude c. 75 m, latitude 35°53.8' S, longitude 174°43.9' E. A.E. Wright 6415, 7.i.1982".

Specimens: HOLOTYPE, Hen and Chickens Group, Motumuka (Lady Alice) Island, Korimako Bay, western side, on top of the Tawaroa ridge, A.E. Wright, 7 January 1982, AK 156145 (†Wright 1984:119); ISOTYPE, AK 156146 (†Wright 1984:119).

Laurus tawa A. Cunn., *Ann. Nat. Hist.* 1:379 (1838)

TYPE LOCALITY: "New Zealand, (Northern Island) - 1769, Sir Joseph Banks. A tree forty to sixty feet high, frequent in shaded moist forests, at the Bay of Islands, &c. - 1826, A. Cunningham - 1834, R. Cunningham"

Specimens: ISOLECTOTYPES, * New Zealand, Banks and Solander, 1769-1770, AK 99633 (ex BM), AK 99634 (ex BM, †Wright 1984:115) (lectotype in K, †Wright 1984:115).

LENTIBULARIACEAE

Utricularia delicatula Cheeseman, *Man. N.Z. Fl.*:561 (1906)

TYPE LOCALITY: "North Island: Auckland - near Kaitaia, T.F.C.; near Waiuku, H. Carse! Swamps near Ohaupo (Waikato), T.F.C., November-January."

Specimens: LECTOTYPE, swamps near Ohaupo, Waikato, T.F.C., no date, AK 8625 (†Taylor 1989:182); PARALECTOTYPES, Mangatete, near Kaitaia, T.F.C., Jan 1896, AK 8626; sphagnum bogs near Kaitaia, T.F.C., no date, AK 8627.

Utricularia mairii Cheeseman, *Man. N.Z. Fl.*:560 (1906)

TYPE LOCALITY: "North Island: Auckland - Lake Rotomahana, Kirk and Captain G. Mair! (1872)."

Specimen: HOLOTYPE, * Lake Rotomahana, T. Kirk and Capt. G. Mair, 1872, AK 8615 (†Taylor 1989:600).

Utricularia protrusa Hook.f., *Fl. N.Z.* 1:206 (1854)

TYPE LOCALITY: "Northern Island. Bogs, Bay of Plenty, Colenso."

Specimens: NEOTYPE, * Waiharakeke Stream, Piako, Mr Allan, March 1909, AK 8611 (†Allan 1961:955, †Taylor 1989:599); ISONEOTYPE, * Waiharakeke Stream, P.H. Allan, March 1909, AK 8612.

LOGANIACEAE

Geniostoma ligustrifolium A. Cunn. var. *crassum* Cheeseman, *Trans. Proc. N.Z. Inst.* 29:392 (1897)

TYPE LOCALITY: "Cliffs near the North Cape; not common."

Specimen: SYNTYPE, cliffs at the North Cape, T.F.C., January 1896, AK 7151.

Geniostoma ligustrifolium A. Cunn. var. *major* Cheeseman, *Man. N.Z. Fl.*:444 (1906)

TYPE LOCALITY: "Three Kings Islands, abundant, T.F.C."

Specimens: SYNTYPES, Three Kings Islands, T.F.C., Nov 1889, AK 7150, AK 209493-209494 (formerly AK 7150.2-7150.3).

Mitrasacme montana Hook.f. var. *helmsii* Kirk, *Trans. Proc. N.Z. Inst.* 22:445 (1890)

TYPE LOCALITY: "South Island - Paparoa Ranges, Westland, 3,000 ft, R. Helms."

Specimen: SYNTYPE or ISOSYNTYPE, * Paparoa Range, 2800' elevation, R.H., 5/7/88, AK 7141.

LORANTHACEAE

Loranthus adamsii Cheeseman, *Trans. Proc. N.Z. Inst.* 13:296 (1881)

TYPE LOCALITY: "Thames Goldfields, parasitic on Coprosma, Myrsine and Melicope."

Specimens: SYNTYPE, * Thames goldfields, J. Adams, no date, AK 3842; ? SYNTYPE, * Thames, J. Adams, no date, AK 3844.

Loranthus colensoi Hook.f., *Ic. Pl.* 10:t663 (1884)

TYPE LOCALITY: "New Zealand, Northern Island. Abundant, growing parasitically on branches of *Metrosideros tomentosa*, near Lake Waikare. W. Colenso, Esq."

Specimen: ? SYNTYPE or ? ISOSYNTYPE, * Lake Waikare Moana, W. Colenso, no date, AK 3826.

Loranthus fieldii Buchanan, *Trans. Proc. N.Z. Inst.* 16:397 (1884)

TYPE LOCALITY: "... near the base of Ruapehu on *Fagus* sp."

Specimen: SYNTYPE, * ? base of Ruapehu, ? Mr Field, no date, AK 3839.

Loranthus polychroa Colenso, *Trans. Proc. N.Z. Inst.* 17:241 (1885)

TYPE LOCALITY: "Parasitical and high up on trunks of *Fagus solandri*; woods near Norsewood, County of Waipawa, but scarce; March, 1884: W. C. Specimens, flowers and leaves picked up."

Specimen: ? SYNTYPE, on trunk of *Fagus solandri*, Norsewood, Waipawa Co., Rev. W. Colenso, no date, AK 3845 (Fig. 3).

Tupeia undulata Colenso, *Trans. Proc. N.Z. Inst.* 16:329 (1884)

TYPE LOCALITY: "Parasitical on *Panax arboreum*, Petane Valley, near Napier, 1883, Mr A. Hamilton."

Specimens: ? SYNTYPES, * on *Panax arboreum*, Petane, Napier, A. Hamilton, no date, AK 3857, AK 210754 (formerly 3857.2).

MALVACEAE

Hoheria populnea A. Cunn. var. *acutifolia* Kirk, *Stud. Fl.*:72 (1899)

TYPE LOCALITY: "North and South Islands: East Cape to Otago."

Specimen: SYNTYPE, Crofton, no collector (label in Kirk's hand), no date, AK 5223 (ex Herb. T. Kirk).

Hoheria sexstylosa Colenso, *Trans. Proc. N.Z. Inst.* 17:238 (1885)

TYPE LOCALITY: "Skirts of woods and thickets, Norsewood, Matamau and Tahoraiti, County of Waipawa; 1883-84: W.C."

= *E. flavida*

Loranthus
polychroa Colenso

Trans. N.Z. Soc. XVII 241

on trunks of *Agave Solandri*
Mussouri - Waipawa Co.

Ror M. Colenso

Fig. 3. Herbarium label of W. Colenso, undated (AK 3845), ? syntype of *Loranthus polychroa* (10 x 9 cm).

From THE HERBARIUM of L. COCKAYNE.

N^o 6481

Plagianthus chathamicus
Cockayne sp. nov. ined.

This has a very different life history to *Plag. betulinus* of N.Z. side my Seedlings Part IV in this year vol of Trans N.Z. Inst. Sci. When issued. U

Chatham Island, Te Whararua

Cole: Cox & Cockayne
Feb 1901

Fig. 4. Herbarium label of L. Cockayne, 1901 (AK 5208), syntype of *Plagianthus chathamicus* (9.5 x 8 cm).

Specimens: ? SYNTYPES, * Hawkes Bay (Norsewood), W. Colenso, no date, AK 5214, AK 209768 (formerly AK 5214.2).

Plagianthus chathamicus Cockayne, *Trans. Proc. N.Z. Inst.* 34:319 (1902)

TYPE LOCALITY: "Chatham Islands."

Specimen: SYNTYPE, Chatham Island, Te Whakaru, Cox and Cockayne, Feb 1901, AK 5208 (ex Herb. L. Cockayne) (Fig. 4).

MORACEAE

Paratrophis banksii Cheeseman, *Man. N.Z. Fl.*:633 (1906)

TYPE LOCALITY: "North Island: Usually near the sea. Bay of Islands, Colenso! Whangarei Heads and Hen and Chicken Islands, T.F.C.; Great Barrier Island; Omaha, Kirk! Cuvier Island, T.F.C.; Cabbage Bay, Adams! East Cape District, Banks and Solander, Bishop Williams! Petrie! Cook Strait, Kirk! Stephen Island, H.H. Travers!"

Specimens: SYNTYPES, Cuvier Island, T.F.C., Oct 1895, AK 3767, AK 209777 (formerly AK 3767.2); Taranga Islands, T.F.C., May 1880, AK 3768; Pataua River, Whangarei Heads, T.F.C., Nov 1896, AK 3769.

Paratrophis smithii Cheeseman, *Trans. Proc. N.Z. Inst.* 20:148 (1888)

TYPE LOCALITY: "Three Kings Islands."

Specimens: SYNTYPES, Three Kings Islands, T.F.C., Aug 1887, AK 3770, AK 210744 (formerly AK 3770.2), AK 210745-210747 (formerly AK 3770.4-3770.6).

MYRSINACEAE

Elingamita johnsonii G.T.S. Baylis, *Rec. Auck. Inst. Mus.* 4:100 (1951)

TYPE LOCALITY: "West Island, Three Kings, New Zealand."

Specimen: SYNTYPE, Three Kings Is., no collector (label in Baylis's hand), early Jan 1951, AK 36263.

Myrsine coxii Cockayne, *Trans. Proc. N.Z. Inst.* 34:318 (1902)

TYPE LOCALITY: "Chatham Island."

Specimens: SYNTYPES, * Chatham Island, F.A.D. Cox, Oct 1900, AK 7077 (ex Herb. L. Cockayne); * lowland swamp, Chatham Island, F.A.D. Cox, Aug 1891, AK 105670 (ex Herb. L. Cockayne, ex Herb. H.B. Matthews).

Myrsine kermadecensis Cheeseman, *Trans. Proc. N.Z. Inst.* 24:410 (1892)

TYPE LOCALITY: "Sunday Island, Kermadec Group ..."

Specimens: SYNTYPES, Sunday Island, Kermadec Islands, T.F.C., Aug 1887, AK 7064-7065, AK 211644 (formerly AK 7065.2).

Myrsine neozelandensis Colenso, *Trans. Proc. N.Z. Inst.* 22:479 (1890)

TYPE LOCALITY: "Edge of a wood on open plain south of Dannevirke, County of Waipawa, 1889: W.C."

Specimen: ? SYNTYPE, * near Dannevirke, Hawkes Bay, W. Colenso, no date, AK 7078.

Myrsine oliveri ≡ *Suttonia dentata*

Myrsine pendulata Colenso, *Trans. Proc. N.Z. Inst.* 21:94 (1889)

TYPE LOCALITY: "Woods near River Mangateraa, south of Dannevirke, County of Waipawa, 1888: W.C."

Specimen: ? SYNTYPE, * Dannevirke, Hawkes Bay, W. Colenso, no date, AK 7085.

Suttonia dentata W.R.B. Oliv., *Rec. Auck. Inst. Mus.* 3:230 (1948) ≡ *Myrsine oliveri* Allan, *Fl. N.Z.* 1:543 (1961)

TYPE LOCALITY: "Type specimen in the Auckland Museum, collected by G.T.S. Baylis on Great Island, Three Kings Islands, December 4th, 1945."

Specimens: SYNTYPES, * Great Island, Three Kings, G.T.S. Baylis, 4/12/45, AK 22868-22870; PARATYPES, * Great Is, Three Kings (Tasman Valley), G.T.S. Baylis, 1/12/45, AK 22866-22867; * Great Is, Three Kings, cliff scree about 800' above sea, G.T.S. Baylis, 5/12/45, AK 22871; Hapuka Pt, NE side, Great Island, Three Kings Islands, E.G. Turbott, 8 May 1946, AK 23006; * northern cliff face, Great Island, Three Kings Islands, E.G. Turbott, 29 April 1946, AK 23007; north cliff face, Great Island, Three Kings Islands, E.G. Turbott & B. Chaney, 6 May 1946, AK 23008; Great Island, Three Kings, G.T.S. Baylis, 21/2/1934, AK 23047; Great Island, Three Kings, G.T.S. Baylis, 20/2/1934, AK 105686.

MYRTACEAE

Leptospermum scoparium J.R. et G. Forst. var. *incanum* Cockayne, *Trans. Proc. N.Z. Inst.* 49:58 (1917)

TYPE LOCALITY: "North Island: North Auckland Botanical District - common, especially in the northern part of the district, in many places forming thickets. L.C."

Specimen: ? SYNTYPE, near Rangumu [*sic*] Estuary, North Auckland, L.C., no date, AK 5497 (ex Herb. L. Cockayne).

Leptospermum sinclairii Kirk, *Stud. Fl.*:158 (1899)

TYPE LOCALITY: "North Island: Great Barrier Island, Hutton and Kirk. Sea-level to 1,800 ft. Nov to Jan."

Specimen: SYNTYPE, Great Barrier Island, T.K., no date, AK 5515, AK 11437 (ex Herb. T. Kirk).

Metrosideros colensoi Hook.f. var. *pendens* Colenso, *Trans. Proc. N.Z. Inst.* 12:360 (1880)

TYPE LOCALITY: "Forests, head of the Manawatu River, climbing lofty trees; 1874-9."

Specimens: ? SYNTYPES, * Hawkes Bay, W. Colenso, no date, AK 5569-5570.

Metrosideros fulgens Sol. ex Gaertn., *Fruct.* 1:172 (1788)

TYPE LOCALITY: Not stated.

Specimens: SYNTYPES, * New Zealand, Banks and Solander, 1769-1770, AK 102051-102052 (ex BM), AK 184566 (ex BM).

Metrosideros myrtifolia Sol. ex Gaertn., *Fruct.* 1:172 (1788)

TYPE LOCALITY: Not stated.

Specimens: SYNTYPES, * New Zealand, Banks and Solander, 1769-1770, AK 102210-102211 (ex BM), AK 184568 (ex BM), AK 189988 (ex BM).

Metrosideros subsimilis Colenso, *Trans. Proc. N.Z. Inst.* 12:361 (1880)

TYPE LOCALITY: "forests at the head of the Manawatu River, where it climbs lofty trees; 1876-79."

Specimens: ? SYNTYPE, * forests at the head of the Manawatu River, W. Colenso, no date, AK 5561; ? SYNTYPES, * Hawkes Bay, W. Colenso, no date, AK 5562-5563, AK 218790 (formerly AK 5563.2).

Myrtus bullata Sol. ex A. Cunn., *Ann. Nat. Hist.* 3:115 (1839)

TYPE LOCALITY: "New Zealand (Northern Island) - 1769, Sir Jos. Banks. Shady woods, Bay of Islands, flowering in December-1826, A. Cunningham - 1834, R. Cunningham."

Specimens: ? SYNTYPES, * New Zealand, Banks and Solander, 1769-1770, AK 102531-102533 (ex BM), AK 184578 (ex BM).

ONAGRACEAE

Epilobium chionanthum Hausskn., *Öst. bot. Z.* 29:149 (1879)

TYPE LOCALITY: "Had. ad. lacum Takapuna leg. Kirk"

Specimen: ISOLECTOTYPE, Takapuna, no collector (label in Kirk's hand), no date, AK 11468 (†Raven and Raven 1976:149) (lectotype in K, †Raven and Raven 1976:149).

Epilobium erebescens Hausskn. var. *suberecta* Kirk, *Stud. Fl.*: 175 (1899)

TYPE LOCALITY: "Rimutaka Range, T.K."

Specimen: ISOLECTOTYPE, Rimutaka Range, no collector (label in Kirk's hand), Jan 1880, AK 5868 (ex Herb. T. Kirk, †Raven and Raven 1976:222), (lectotype in WELT, †Raven and Raven 1976:223).

Epilobium komarovianum H. Lev., *Repert. Nov. Sp. Reg. Veg.* 5:98 (1908)

TYPE LOCALITY: "South Island, New Zealand: Preservation Inlet - the Bluff Ngaruawakia mixtum cum nummularifolium et pedunculari - leg. T. Kirk."

Specimen: HOLOTYPE, The Bluff, no collector (label in Kirk's hand), no date, AK 28576 (ex Herb. T. Kirk, ex MO, †Raven and Raven 1976:283).

Epilobium krulleanum Hausskn., *Monogr. Epil.*:305 (1884)

TYPE LOCALITY: "In Nova-Zelandia leg. Krull. sub E. confertifolia (Hb. Berol.); Canterbury Leg. Haast No. 650 mixt. c. E. pycnostachyo (Hb. Kew); ad Amuri leg. Kirk No. 655 sub E. alsinoidi (Hb. Kew)."

Specimen: ISOLECTOTYPE, St. James Station, Amuri, no collector (label in Kirk's hand), no date, AK 5833 (ex Herb. T. Kirk, †Raven et Raven 1976:203), (lectotype in K, †Raven and Raven 1976:203).

Epilobium nummularifolium R. Cunn. ex A. Cunn., *Ann. Nat. Hist.* 3:31 (1839)

TYPE LOCALITY: "New Zealand (Northern Island) - 1769, Sir Jos. Banks, Shores of the Kerikeri river, & in dry as well as boggy grounds - 1834, Rich. Cunningham."

Specimens: PARALECTOTYPES, New Zealand, Banks and Solander, 1769-1770, AK 102546-102548 (ex BM), AK 184484 (ex BM), (lectotype in K, †Raven and Raven 1976:279).

Epilobium nummularifolium R. Cunn. ex A. Cunn. var. *angustum* Cheeseman, *Man. N.Z. Fl.*:180 (1906)

TYPE LOCALITY: "Cass River, near Lake Tekapo (Canterbury), T.F.C."

Specimens: LECTOTYPE, * Cass River, near Lake Tekapo, T.F. Cheeseman, Jan 1898, AK 210721 (formerly AK 5765.2, †Raven and Raven 1976:286); ISOLECTOTYPE, Cass River, Lake Tekapo, 3500 ft, T.F.C., Jan 1898, AK 5765 (†Raven and Raven 1976:286).

Epilobium nummularifolium R. Cunn. ex A. Cunn. var. *minimum* Kirk, *Stud. Fl.*:174 (1899)

TYPE LOCALITY: "Preservation inlet and the Bluff Hill, T.K."

Specimen: ISOLECTOTYPE, The Bluff, no collector (label in Kirk's hand), no date, AK 28576 (ex Herb. T. Kirk, ex MO, †Raven and Raven 1976:281), (lectotype in WELT, †Raven and Raven 1976:281).

Epilobium pallidiflorum Sol. ex A. Cunn., *Ann. Nat. Hist.* 3:34 (1839)

TYPE LOCALITY: "New Zealand (Northern Island). Swampy grounds, Opuraga (Mercury Bay, lat. $36\frac{3}{4}$ °S.) - 1769, Sir Jos. Banks. In low wet situations, Wangaroa. - 1826, A. Cunningham."

Specimens: ISOLECTOTYPES, * New Zealand, Banks and Solander, 1769-1770, AK 101102 (ex BM), AK 101106-101109 (ex BM), (lectotype in BM, †Raven and Raven 1976:96).

Epilobium pedunculare A. Cunn. var. *brunnescens* Cockayne, *Trans. Proc. N.Z. Inst.* 50:171 (1918)

TYPE LOCALITY: Not stated.

Specimen: LECTOTYPE, from cultivated plant collected on Mount Egmont at about 1200 m, L.C., 2 Jan 1918, AK 5750 (†Raven and Raven 1976:263 as AK 5758 in error).

Epilobium perplexum Kirk, *Stud. Fl.*:170 (1899)

TYPE LOCALITY: "North Island: East Cape, J.B. Lee! Ruahine Range, Petrie! Tararua Range, T.P. Arnold. South Island: Canterbury, Cockayne! Kelly's Creek, Westland, 2,500 ft, Petrie!"

Specimens: LECTOTYPE, * Ruahine Range, D. Petrie, no date, AK 5706 (†Raven and Raven 1976:175); ISOLECTOTYPE, * Ruahine Range, D. Petrie, no date, AK 5705.

Epilobium pictum Petrie, *Trans. Proc. N.Z. Inst.* 28:583 (1896)

TYPE LOCALITY: "Mountain valleys of Central Otago, from 1500 to 3000 ft; Lowburn Creek; Obelisk Creek; Mount St. Bathans."

Specimen: ISOLECTOTYPE. * Lowburn Creek, near Cromwell, Otago, D. Petrie, no date, AK 5678 (†Raven and Raven 1976:201), (lectotype in WELT, †Raven and Raven 1976:201).

Epilobium porphyrium G. Simpson, *Trans. R. Soc. N.Z.* 75:189 (1945)

TYPE LOCALITY: "... the upper western basin of the Matukituki River, near Hector's Col."

Specimen: ISOLECTOTYPE, * Hector's Col, G. Simpson, no date, AK 22888 (†Raven and Raven 1976:210), (lectotype in CHR, †Raven and Raven 1976:210).

Epilobium rostratum Cheeseman, *Trans. Proc. N.Z. Inst.* 28:534 (1896)

TYPE LOCALITY: "Mountain districts in Canterbury and Otago; apparently not uncommon. Upper Waimakariri, and shingly beds of streams near Lake Tekapo and Lake Pukaki, T.F.C.; near Naseby, Otago, D. Petrie!"

Specimens: LECTOTYPE, Lake Tekapo, Canterbury Alps, alt. 2500 ft, T.F.C., Jan 1883, AK

5818 (†Raven and Raven 1976:247); ISOLECTOTYPE, Lake Tekapo, Canterbury, T.F.C., Jan 1883, AK 5819.

Epilobium rubromarginatum Cockayne, *Trans. Proc. N.Z. Inst.* 48:195 (1916)

TYPE LOCALITY: "South Island: Westland and Canterbury - on consolidated stony debris at from 1,000 m to 1,500 m and upwards on mountains in the neighbourhood of Arthur's Pass and the Otira Gorge. L.C."

Specimens: ISOLECTOTYPES, growing on stony debris at foot of precipices of Otira Glacier, 1280 m, L. Cockayne, 25/1/98, AK 5796; growing on stony ground at foot of precipices under the Otira Glacier, 4,000 ft, L.C., 25/1/98, AK 101151 (ex Herb. L. Cockayne, †Raven and Raven 1976:222); Otira Glacier, 1280 m, L. Cockayne, 25/1/98, AK 210719 (ex Herb. L. Cockayne, formerly AK 5796.2, †Raven and Raven 1976:222), (lectotype in WELT, †Raven and Raven 1976:222).

Epilobium vernicosum Cheeseman, *Trans. Proc. N.Z. Inst.* 28:535 (1896)

TYPE LOCALITY: "Mountains of Nelson. Abundant on the Mount Arthur Plateau, 3,000 ft - 4,000 ft alt., and ascending to over 5,000 ft on Mount Arthur and Mount Peel."

Specimens: SYNTYPES, slopes of Mount Arthur, Nelson, 5000 ft, T.F.C., Jan 1881, AK 5790; Mount Peel, Nelson, 4500 ft, T.F.C., AK 5791, Jan 1886, AK 210722-210723 (formerly AK 5791.2-5791.3).

Epilobium wilsonii Cheeseman var. *pallidum* G. Simpson et J.S. Thomson *Trans. R. Soc. N.Z.* 70:30 (1940)

TYPE LOCALITY: "Common on moist limestone in the gorge of the Ure River, Marlborough."

Specimens: ISOTYPES, * moist limestone in the gorge of the Ure River, Marlborough, G.S. & J.S.T., no date, AK 70615 (†Raven and Raven 1976:172), AK 101328-101329 (holotype in CHR, †Raven and Raven 1976:172).

PASSIFLORACEAE

Passiflora tetrandra Sol. ex DC., *Prodr.* 3:323 (1828)

TYPE LOCALITY: "Prope Oruragi ..."

Specimens: ? ISOLECTOTYPES, * New Zealand, Banks and Solander, 1769-1770, AK 102038 (ex BM), AK 189112 (ex BM), (lectotype in BM, †Green 1972:553).

PIPERACEAE

Peperomia novae-zelandiae Colenso, *Trans. Proc. N.Z. Inst.* 27:394 (1894)

TYPE LOCALITY: "woods near the East Cape; 1894; Mr H. Hill."

Specimen: ? SYNTYPE, * woods near the East Cape, H. Hill, no date, AK 3697 (ex Herb. T. Kirk).

Piper excelsum G. Forst. var. *major* Cheeseman, *Man. N.Z. Fl.*:595 (1906)

TYPE LOCALITY: "Kermadec Islands: Var. *major* abundant, McGillivray, T.F.C. North Island: Var. *major* plentiful on the Three Kings Islands ..."

Specimens: PARALECTOTYPES, Sunday Island, Kermadec Group, T.F.C., Aug 1887, AK 3692-3695; Three Kings Islands, T.F.C., Nov 1889, AK 3696, AK 214481 (formerly AK 3696.2), AK 218670-218671 (formerly AK 3696.2-3696.3), (lectotype in BM, †Smith 1975).

PITTOSPORACEAE

Pittosporum anomalum Laing et Gourlay, *Trans. R. Soc. N.Z.* 65:55 (1935)

TYPE LOCALITY: "... by the roadside near Jack's Hut (Arthur's Pass) at an altitude of about 850 m."

Specimens: PARATYPES, Hauhungatahi, L.B. Moore and L.M. Cranwell, 9.1.33, AK 101922-101925, AK 101928.

Pittosporum buchananii Hook.f., *Handbk. N.Z. Fl.*:725 (1867)

TYPE LOCALITY: "Northern Island: from near Tongariro (cultivated at Wellington), Buchanan."

Specimen: ? SYNTYPE or ? ISOSYNTYPE, * Kaitaia, near Mongonui, J. Buchanan, no date, AK 4615.

Note: Protologue locality regarded to be in error (Allan 1961:313).

Pittosporum crassifolium Banks et Sol. ex A. Cunn., *Ann. Nat. Hist.* 4:106 (1840)

TYPE LOCALITY: "New Zealand (Northern Island) - 1769, Sir J. Banks. On Flat Island, one of the Cavallos (*sic*) and at Matauri on the east coast, opposite those islands, &c. - 1833, R. Cunningham."

Specimen: ? SYNTYPE, * New Zealand, Banks and Solander, 1769-1770, AK 184581 (ex BM).

Pittosporum crassifolium Banks et Sol. ex A. Cunn. var. *strictum* Kirk, *Trans. Proc. N.Z. Inst.* 4:266 (1872)

TYPE LOCALITY: "North Island, by the sea, Spirits Bay to Poverty Bay."

Specimen: SYNTYPE, * Little Barrier Island, T. Kirk, no date, AK 4676.

Pittosporum dallii Cheeseman, *Man. N.Z. Fl.*:1134 (1906)

TYPE LOCALITY: "South Island: Nelson - Mountains near Collingwood, Dall!"

Specimen: SYNTYPE, * mountains near Collingwood, J. Dall, no date, AK 4702.

Pittosporum ellipticum Kirk var. *decorum* Cheeseman, *Man. N.Z. Fl.*:491 (1925)

TYPE LOCALITY: "North Island. Ohinemuri Gorge, T.F.C., Petrie! Gordon Settlement, Downard! Hawaii River, inland from Opotiki, F.R. Field! Aorangi Scenic Reserve, V. Sherwood! base of Mount Hikurangi, G.T. Williams!"

Specimens: SYNTYPES, Ohinemuri Gorge near Karangahake, D. Petrie, Nov 1897, AK 4644; Ohinemuri Gorge, near Karangahake, T.F.C., July 1898, AK 4645, AK 210717 (formerly AK 4645.2); Gordon Settlement, near Te Aroha, Downard, no date, AK 4646, AK 209765-209766 (formerly AK 4646.2-4646.3); * Aorangi Scenic Reserve, near Hikurangi, alt. 3000 ft, V. Sherwood, no date, AK 4647; * base of Hikurangi, East Cape, G.T. Williams, no date, AK 4648, AK 209767 (formerly AK 4648.2); SYNTYPE, * Hawaii River, inland from Opotiki, F.R. Field, no date, AK 4649.

Pittosporum ellipticum Kirk var. *ovatum* Kirk, *Stud. Fl.*:52 (1899)

TYPE LOCALITY: "Whangaroa North, Manaia Hills, western part of the Titirangi district, T.K."

Specimens: ? SYNTYPES, Whangaroa (North), no collector (label in Kirk's hand), no date,

AK 4643 (ex Herb. T. Kirk); Whangaroa North, no collector (label in Kirk's hand), no date, AK 101921 (ex Herb. T. Kirk).

Pittosporum fairchildii Cheeseman, *Trans. Proc. N.Z. Inst.* 20:147 (1888)

TYPE LOCALITY: "Three Kings Islands."

Specimens: SYNTYPES, Three Kings Islands, T.F.C., Aug 1887, AK 4677, AK 210718 (formerly AK 4677.2).

Pittosporum fasciculatum Hook.f., *Fl. N.Z.* 1:24 (1852)

TYPE LOCALITY: "Northern Island, Lake Taupo, Colenso."

Specimen: SYNTYPE or ISOSYNTYPE, * near Taupo, W. Colenso, no date, AK 4610.

Pittosporum gilliesianum Kirk, *Trans. Proc. N.Z. Inst.* 1:143 (1869)

TYPE LOCALITY: "Mongonui."

Specimen: SYNTYPE, * Mongonui, T. Kirk, Apr 1868, AK 4696.

Pittosporum huttonianum Kirk, *Trans. Proc. N.Z. Inst.* 2:92 (1870)

TYPE LOCALITY: "On the Great Barrier Island."

Specimens: SYNTYPES, Kaiarara, Great Barrier Island, no collector (label in Kirk's hand), no date, AK 4617 (ex Herb. T. Kirk); Kiwiriki, Great Barrier Island, no collector (label in Kirk's hand), no date, AK 4618 (ex Herb. T. Kirk); Kaiarara, T.K., no date, AK 102250.

Pittosporum obcordatum Raoul. var. *kaitaiaensis* Laing et Gourlay, *Trans. R. Soc. N.Z.* 65:47 (1935)

TYPE LOCALITY: "Kaitaia - Matthews, Carse etc."

Specimens: SYNTYPES or ISOSYNTYPES, * Lake Tangongue, near Kaitaia, R.H. Matthews, no date, Oct 1901, AK 4624, AK 209170 (formerly AK 4624.2); ? SYNTYPE or ? ISOSYNTYPE, * Lake Tangongue, near Kaitaia, R.H. Matthews, no date, AK 4622.

Pittosporum pimeleoides R. Cunn. var. *major* Cheeseman, *Man. N.Z. Fl.*:60 (1906)

TYPE LOCALITY: "North Cape, T.F.C."

Specimens: SYNTYPES, North Cape, T.F.C., January 1896, AK 4692, AK 209744-209745 (formerly AK 4692.2-4692.3).

Pittosporum tenuifolium Sol. ex Gaertn., *Fruct.* 1:286 (1788)

TYPE LOCALITY: Not stated.

Specimens: SYNTYPES, * New Zealand, Banks and Solander, 1769-1770, AK 101859-101862 (ex BM), AK 184486 (ex BM).

Pittosporum turneri Petrie in Cheeseman, *Man. N.Z. Fl.*:491 (1925)

TYPE LOCALITY: "Waimarino Plateau, western base of Ruapehu, E. Phillips Turner, H.B. Matthews! H. Carse! Altitudinal range 2000-3500 ft."

Specimens: SYNTYPES, * Waimarino, H.B. Matthews, 23.1.1921, AK 4654, AK 101959 (ex Herb. H.B. Matthews), AK 101979 (ex Herb. H.B. Matthews), AK 101981-101983 (ex Herb. H.B. Matthews), AK 101986-101987 (ex Herb. H.B. Matthews); * Waimarino, H.B. Matthews, 21 Dec 1921, AK 4655, AK 101972-101974 (ex Herb. H.B. Matthews), AK 101977 (ex Herb. H.B. Matthews), AK 101988 (ex Herb. H.B. Matthews), AK 209746-

209754 (formerly AK 4655.3-4655.10); * Waimarino, H.B. Matthews, 22.12.1921, AK 101960 (ex Herb. H.B. Matthews), AK 101975-101976 (ex Herb. H.B. Matthews), AK 101978 (ex Herb. H.B. Matthews), AK 101984-101985 (ex Herb. H.B. Matthews); Waimarino, H.B. Matthews, 26 Nov 1922, AK 70015, AK 101966 (ex Herb. H.B. Matthews).

Pittosporum umbellatum Banks et Sol. ex Gaertn., *Fruct.* 1:286 (1788)

TYPE LOCALITY: Not stated.

Specimen: SYNTYPE, * New Zealand, Banks and Solander, 1769-1770, AK 184485 (ex BM).

Pittosporum umbellatum Gaertn. var. *cordatum* Kirk, *Trans. Proc. N.Z. Inst.* 4:264 (1872)

TYPE LOCALITY: "Great Barrier Island."

Specimens: SYNTYPES, Haratoanga, Great Barrier Island, no collector (label in Kirk's hand), Nov 1867, AK 4684 (ex Herb. T. Kirk); Haratoanga, T.K. no date, AK 102343 (ex Herb. T. Kirk).

Pittosporum virgatum Kirk, *Trans. Proc. N.Z. Inst.* 4:264 (1872)

TYPE LOCALITY: "North Island, Whangaroa North, Great Barrier Island."

Specimens: SYNTYPES, Port Fitzroy, no collector (label in Kirk's hand), no date, AK 4658 (ex Herb. T. Kirk), AK 39403 (ex Herb. T. Kirk, ex MO); Kaiarara, T.K., no date, AK 102314.

PLANTAGINACEAE

Plantago lanigera Hook.f. var. *petriei* Cheeseman, *Man. N.Z. Fl.*:572 (1906)

TYPE LOCALITY: "Mount Kyeburn, alt. 3500 ft, Petrie!"

Specimens: SYNTYPE, * Mt Kyeburn, Otago, alt. 3500 ft, D. Petrie, no date, AK 8666; ? SYNTYPE, Mt Kyeburn, 4000 ft, no collector (label in Petrie's hand), no date, AK 8665.

Plantago masoniae Cheeseman, *Trans. Proc. N.Z. Inst.* 53:424 (1921)

TYPE LOCALITY: "North Island: Sea-cliffs at Manaia, Taranaki, often in localities well washed with sea spray; Mrs F. Mason!"

Specimen: SYNTYPE, * seacliffs near Manaia, Mrs Mason, no date, AK 8673.

POLYGONACEAE

Muehlenbeckia trilobata Colenso, *Trans. Proc. N.Z. Inst.* 21:100 (1888)

TYPE LOCALITY: "In woods south of Dannevirke, County of Waipawa; 1888: W.C."

Specimen: ? SYNTYPE, * Dannevirke, Hawkes Bay, Colenso, no date, AK 3900.

Rumex neglectus Kirk, *Trans. Proc. N.Z. Inst.* 9:493 (1877)

TYPE LOCALITY: "On shingle beaches, Wellington (T.K.), Dusky Bay, (J. Buchanan)."

Specimen: ? SYNTYPE, Wellington, T.K. no date, AK 3891.

RANUNCULACEAE

Caltha obtusa Cheeseman, *Trans. Proc. N.Z. Inst.* 33:312 (1901)

TYPE LOCALITY: "North Island: Herb. Colenso! ... South Island: Mountains at the head of the Broken River, Canterbury, 5,000-6,000 ft, T.F.C.; Otago - Mount Saint Bathans and

Dunstan Mountains, 5,000-6,000 ft, Petrie!; Black Peak, 6,000 ft, Buchanan!"
 Specimens: SYNTYPES, mountains above the Broken River, Canterbury, 5500 ft, T.F.C. Jan 1880, AK 4362, AK 209395 (formerly AK 4362.2); ? SYNTYPE, Black Peak, Otago, 7000 ft, J. Buchanan, no date, AK 4363 (ex WELT).

Ceratocephalus pungens Garn.-Jones, *N.Z. J. Bot.* 22:135 (1984)

TYPE LOCALITY: "Bald Hill Flat, 2,000 ft, D. Petrie, Nov 1885."

Specimens: ISOTYPES, Bald Hill Flat, 2000 ft, D. Petrie, Nov 1885, AK 12741; * Bald Hill Flat, Otago, 2000 ft, D. Petrie, Nov 1885, AK 12742 (†Garnock-Jones 1984:135), (holotype in CHR, †Garnock-Jones 1984:135).

Clematis australis Kirk, *Stud. Fl.*:3 (1899)

TYPE LOCALITY: "South Island: Mountain districts, in Nelson and Canterbury, 1,500-3,000 ft. November."

Specimens: SYNTYPES, * Bealey, Canterbury Alps, alt. 2,000 ft, T. Kirk, no date, AK 4126; * South Island, Lake Pearson, no collector, no date, AK 28200 (ex Herb. T. Kirk, ex MO).

Clematis parviflora A. Cunn. var. *trilobata* Kirk, *Stud. Fl.*:5 (1899)

TYPE LOCALITY: "North Island: Bay of Islands, T. Kirk. South Island: Okarito, A. Hamilton!"

Specimen: SYNTYPE, Bay of Islands, no collector (label in Kirk's hand), no date, AK 11317 (ex Herb. T. Kirk).

Ranunculus acaulis Banks et Sol. ex DC., *Reg. Veg. Syst. Nat.* 1:270 (1817)

TYPE LOCALITY: "Novae-Zelandiae prope Opuragi, Banks."

Specimen: ISOTYPE. * New Zealand, Banks and Solander, 1769-1770, AK 99966, (ex BM, †Garnock-Jones 1990:115), (holotype in BM).

Ranunculus bergrennii Petrie, *Trans. Proc. N.Z. Inst.* 19:325 (1887)

TYPE LOCALITY: "Carrick Range, near Cromwell; 4,000 ft: collected November, 1885."

Specimen: ISOLECTOTYPE, * Carrick Range, Otago, alt. 3500 ft, D. Petrie, no date, AK 4242 (lectotype in WELT, †Fisher 1965:132).

Ranunculus carsei Petrie, *Trans. Proc. N.Z. Inst.* 56:11 (1926)

TYPE LOCALITY: "Mount Tongariro, near the base, H. Carse!"

Specimen: ISOLECTOTYPE, Sulphur Creek, Mount Tongariro, H. Carse, 1.1.24, AK 99969 (†Garnock-Jones 1990:116), (lectotype in CHR, †Garnock-Jones 1990:116).

Ranunculus cheesemanii Kirk, *Stud. Fl.*:17 (1899)

TYPE LOCALITY: "South Island: Near Fowler's Pass, &c., in places where water has stagnated. 3,000 ft. T.K."

Specimen: ISOTYPE, * Fowler's Pass, Nelson, 3000 ft, T. Kirk, no date, AK 4306 (†Garnock-Jones 1990:116), (holotype in WELT).

Ranunculus depressus Kirk var. *glabratus* Kirk, *Stud. Fl.*:17 (1899)

TYPE LOCALITY: "Otago: Mount Cardrona, 4000 ft. Petrie!"

Specimen: ISOTYPE, Mount Cardrona in water runnels, 4000 ft, D.P., no date, AK 4313 (ex Herb. D. Petrie, †Garnock-Jones 1990:118), (holotype in WELT).

Ranunculus depressus Kirk var. *stewartiae* G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 73:155 (1943) \equiv *R. simulans* Garn.-Jones in Connor and Edgar, *N.Z. J. Bot.* 25:126 (1987)
TYPE LOCALITY: "... the banks of Freshwater River, Stewart Island."

Specimens: ISOTYPES, * damp banks at Freshwater River, Stewart Island, G. Simpson, Mar 1941, AK 22897 (\dagger Garnock-Jones in Connor and Edgar 1987:126); * Stewart Island, G. Simpson, no date, AK 22910 (\dagger Garnock-Jones in Connor and Edgar 1987:126), (holotype in CHR, \dagger Garnock-Jones in Connor and Edgar 1987:126).

Ranunculus grahamii Petrie, *Trans. Proc. N.Z. Inst.* 46:32 (1914)

TYPE LOCALITY: "Rocks of 'Aiguille Roque', a peak south of Malte Brun, Mount Cook district, 9000 ft; Coronet Peak, Mt Cook District."

Specimen: ISOLECTOTYPE, * Coronet Peak, Mt Cook District, P. Graham, 1910, AK 4214 (lectotype in WELT, \dagger Fisher 1965:144).

Ranunculus hirtus Banks et Sol. ex DC. var. *elongatus* Cheeseman, *Man. N.Z. Fl.*:19 (1906)

TYPE LOCALITY: "Lowland districts north of Auckland."

Specimens: LECTOTYPE, Little Barrier Island, T.F.C., Jan 1901, AK 4269 (\dagger Cooper 1949:401, \dagger Garnock-Jones 1990:120); PARALECTOTYPE, Parerau, Doubtless Bay, T.F.C. Jan 1896, AK 4268.

Ranunculus hirtus Banks et Sol. ex DC. var. *gracilis* Cheeseman, *Man. N.Z. Fl.*:19 (1906)

\equiv *R. mirus* Garn.-Jones in Connor and Edgar, *N.Z. J. Bot.* 25:126 (1987)

TYPE LOCALITY: "Mountain districts of the South Island, 3000-4500 ft."

Specimens: LECTOTYPE, Mount Arthur Plateau, Nelson, T.F.C., Jan 1886, AK 4276 (\dagger Garnock-Jones in Connor and Edgar 1987:126); ISOLECTOTYPE, Mount Arthur Plateau, Nelson, alt. 4000 ft, T.F.C., Jan 1886, AK 4275.

Ranunculus insignis Hook.f. var. *lobulatus* Kirk, *Stud. Fl.*:8 (1899)

TYPE LOCALITY: "Marlborough: Kowhai River, 500 ft. Mount Fyffe, 3,000 ft. T.K. Oct, Nov."

Specimen: ISOLECTOTYPE, * Mount Fyffe, Marlborough, 3,000 ft, T. Kirk, no date, AK 4192 (lectotype in WELT, \dagger Fisher 1965:150).

Ranunculus limosella F. Muell. ex Kirk, *Trans. Proc. N.Z. Inst.* 3:177 (1871)

TYPE LOCALITY: "In the Whangape, Waikare, and Waihi lakes, Waikato, T.K."

Specimens: PARATYPES, Lake Whangape, no collector (label in Kirk's hand), no date, AK 11326 (ex Herb. T. Kirk); Lake Whangape, T.K., May 1870, AK 11327 (ex Herb. T. Kirk), (holotype in K, \dagger Garnock-Jones 1990:118).

Ranunculus matthewsii Cheeseman, *Man. N.Z. Fl.*:1133 (1906)

TYPE LOCALITY: "South Island: Otago - Mount Earnslaw, alt. 4000-6000 ft, H.J. Matthews!"

Specimen: LECTOTYPE, * Mount Earnslaw, Otago, 4500 ft, H.J. Matthews, no date, AK 4174 (\dagger Fisher 1965:121).

Ranunculus mirus \equiv *Ranunculus hirtus* var. *gracilis*

Ranunculus muricatus Colenso, *Trans. Proc. N.Z. Inst.* 23:381 (1890)

TYPE LOCALITY: "High, dry, open plains, Tahoraiti, south of Dannevirke, County of Waipawa ... 1885-1890: W.C."

Specimen: ISOLECTOTYPE, * Dannevirke, Hawkes Bay, W. Colenso, no date, AK 4285 (†Garnock-Jones 1990:118), (lectotype in WELT, †Garnock-Jones 1990:118).

Ranunculus novae-zelandiae Petrie, *Trans. Proc. N.Z. Inst.* 26:266 (1894)

TYPE LOCALITY: "Rough shingly stations at the summit of the Rock and Pillar Range, opposite Middlemarch, and similar stations on the Old Man Range, at 4,000 ft and upwards."

Specimens: ISOLECTOTYPES, Rock and Pillar Mountains, 4000 ft, D. Petrie, Nov 1892, AK 4243; Rock and Pillar, Otago, 4300 ft, no collector (label in Petrie's hand), Nov 1892, AK 4245 (lectotype in WELT, †Fisher 1965:132).

Ranunculus novae-zelandiae Petrie var. *repens* G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 72:21 (1942)

TYPE LOCALITY: "Debris at Blue Lake, Garvie Mts., 1230 m altitude."

Specimen: ISOTYPE, * debris at Blue Lake, Garvie Mts., 1230 m, Simpson and Thomson, no date, AK 99961 (holotype in CHR, †Fisher 1965:132).

Ranunculus porrectus G. Simpson, *Trans. R. Soc. N.Z.* 75:187 (1945)

TYPE LOCALITY: "... Hope River Valley, west of Hanmer."

Specimen: LECTOTYPE, * Hope River Valley, G. Simpson, no date, AK 22889 (†Garnock-Jones 1990:117).

Ranunculus reflexus Garn.-Jones in Connor and Edgar, *N.Z. J. Bot.* 25:126 (1987)

TYPE LOCALITY: "Hab. in graminosis Novae Zelandiae. Prope Tigadu, Tolaga, Opuragi, Totaranui, Banks ..."

Specimens: ? ISOLECTOTYPES, * New Zealand, Banks and Solander, 1769-1770, AK 50925 (ex BM), AK 99942 (ex BM), AK 99943 (ex BM, †Garnock-Jones 1990:120), (lectotype in G, †Garnock-Jones 1990:119).

Ranunculus simulans ≡ *R. depressus* var. *stewartiae*

Ranunculus tenuicaulis Cheeseman, *Trans. Proc. N.Z. Inst.* 17:235 (1885)

TYPE LOCALITY: "Canterbury Mountains above Arthur's Pass, altitude 4,000-5,000 ft. T.F.C."

Specimen: SYNTYPE, mountains above Arthur's Pass, alt. 4500 ft, T.F.C., no date, AK 4232.

Ranunculus urvilleanus Cheeseman, *Man. N.Z. Fl.*:446 (1925)

TYPE LOCALITY: "North Island: North Cape Peninsula, not uncommon in marshy places, T.F.C., H. Carse!; low grounds by Whangaroa Harbour, T.F.C.; Bay of Islands, abundant on the shores, D'Urville (1828); Little Barrier Island, T.F.C."

Specimens: LECTOTYPE, * near Kaitaia, H. Carse, Dec 1920, AK 12415 (†Garnock-Jones 1990:120); PARALECTOTYPES, Parerau, Doubtless Bay, T.F.C., Jan 1896, AK 4268; Little Barrier Island, T.F.C., Jan 1901, AK 4269; * Fairburn, Mangonui Co., H. Carse, Jan 1907, AK 4270, AK 212968 (formerly numbered 4270.2); Flat Bush, Mangonui County, H. Carse, 11 Oct 1920, AK 12413 (ex Herb. H. Carse), AK 12414.

RHAMNACEAE

Pomaderris hamiltonii L.B. Moore in Allan, *Fl. N.Z.* 1:420 (1961)

TYPE LOCALITY: "Warkworth."

Specimens: ISOTYPE, seedling from Neville St, Warkworth, North Auckland, grown in garden of Dr. W.H. Hamilton, 4 Fitzroy St, Wadestown, Wellington, L.B. Moore, 7.10.1955, AK 71699; PARATYPE, garden, 4 Fitzroy St, Wadestown, Wellington, ex Neville St, Warkworth, North Auckland, L.B. Moore, 19.1.56, AK 71700 (holotype in CHR, †Moore in Allan 1961:420).

Pomaderris mollis Colenso, *Trans. Proc. N.Z. Inst.* 25:327 (1893)

TYPE LOCALITY: "Dry hills near Puketapu, west of Napier, Hawke's Bay; rare; 1890-92; flowering 10th November; W.C."

Specimen: ? SYNTYPE, * Puketapu, Napier, W. Colenso, no date, AK 5136.

Pomaderris rugosa Cheeseman, *Man. N.Z. Fl.*:554 (1925)

TYPE LOCALITY: "North Island: Whangarei heads, summit of Mount Manaia, T. Kirk! T.F.C., Cape Colville and Coromandel to Tapu Creek (Hastings); upper part of the Kaueranga Valley, Thames, T.F.C., Adams! W. Townson! Mercury Bay, T. Kirk!"

Specimens: SYNTYPES, Puru Creek, Thames, T.F.C., Nov 1874, AK 5137; summit of Mt Manaia, Whangarei, T.F.C., August 1878, AK 5138; Coromandel Harbour, T.F.C., no date, AK 5139; * Tapu Creek, Thames, W. Townson, Nov 1918, AK 5140, AK 209775 (formerly AK 5140).

Pomaderris tainui Hector, *Trans. Proc. N.Z. Inst.* 11:429 (1879)

TYPE LOCALITY: "Sea Coast, south of Mokau River, in flower 5th December 1878."

Specimen: HOLOTYPE, Mokau, J. Hector, no date, AK 5135 (confirmed N. G. Walsh, 18 viii 1993).

ROSACEAE

Acaena juvenca B.H. Macmill., *N.Z. J. Bot.* 27:109 (1989)

TYPE LOCALITY: "New Zealand, Otago, Karoro Creek south of Willsher Bay Reserve, 46°25' E lat. 169°46' S long ... 100 m alt. B.H. Macmillan 85/37, 12 Feb 1985, CHR 316173."

Specimen: ISOTYPE, above Karoro Creek, south of Willsher Bay Reserve, Otago, 100 m, NZMS 260 H46:612172 steep hillside scrub marginal to broadleaf/podocarp forest remnant. Under thicket of C. p. with canopy 50 m high. B.H. Macmillan 85/37, 12 Feb 1985, AK 176854 (†Macmillan 1989:109, ex CHR), (holotype in CHR, †Macmillan 1989:109).

Acaena micrantha Colenso, *Trans. Proc. N.Z. Inst.* 23:383 (1891)

TYPE LOCALITY: "On open plains, Tahoraiti, south of Dannevirke, County of Waipawa; 1886-1890, W.C."

Specimens: ? SYNTYPES, * Dannevirke, Hawkes Bay, W. Colenso, no date, AK 4779, AK 209573 (formerly AK 4779.2).

Acaena rorida B.H. Macmill., *N.Z. J. Bot.* 29:131 (1991)

TYPE LOCALITY: "New Zealand NW Ruahine Range, west of Makirikiri tarns, 30°37' S alt., 176°09' E long., turf knoll in limestone ravine, 3700 ft, B.H. Macmillan 81/32, 10 Feb

1981; CHR 363290.”

Specimen: ISOTYPE, cultivated, ex N.W. Ruahine Range, west of Makirikiri tarns, B.H. Macmillan, 19 January 1990, AK 189547 (holotype in CHR, †Macmillan 1991:131).

Acaena sanguisorbae Vahl subsp. *profundeincisa* Bitter var. *diminuta* Bitter, *Repert nov. Spec. Regn. veg.* 10:496 (1912)

TYPE LOCALITY: “Novae-Zelandiae insula meridionalis Fell-field, east face of Mt Torlesse range, Canterbury, alt. 100 m L. Cockayne no. 628, 30.XII.1902 [should be 1901, B.H. Macmillan pers. comm., 1994], in statu florente sub nom A. (adscendens Vahl) ? herb. Upsal!”
Specimen: ISOTYPE, Mt Torlesse, Staircase Spur, alt 1000 m, no collector (label in Cockayne’s hand), 30 XII 1901, AK 103084 (ex Herb. L. Cockayne), (holotype in UPS).

Geum divergens Cheeseman, *Trans. Proc. N.Z. Inst.* 48:210 (1916)

TYPE LOCALITY: “South Island: Sheltered places among rocks on the slopes of Mount Captain, Clarence Valley, alt. 5,000 ft, T.F.C.”

Specimens: LECTOTYPE, Mount Captain, Hanmer, alt. 5000 ft, T.F.C., Jan 1893, AK 4760 (†Molloy and Webb 1994:426); ISOLECTOTYPE, AK 209317 (†Molloy and Webb 1994:426).

RUBIACEAE

Asperula aristifera Colenso, *Trans. Proc. N.Z. Inst.* 21:88 (1889)

TYPE LOCALITY: “Open grassy plains, Tahoraiti, south of Dannevirke, County of Waipawa; 1887, flowering in November. W.C.”

Specimen: ? SYNTYPE, * Dannevirke, Hawkes Bay, W. Colenso, no date, AK 9175.

Coprosma alba Colenso, *Trans. Proc. N.Z. Inst.* 24:388 (1892)

TYPE LOCALITY: “On the eastern banks of the River Manawatu, near the new bridge, road from Dannevirke to Wainui, County of Waipawa, forming thickets; 1891: W.C.”

Specimen: ? SYNTYPE, * Dannevirke, Hawkes Bay, W. Colenso, no date, AK 8978.

Coprosma areolata Cheeseman, *Trans. Proc. N.Z. Inst.* 18:315 (1886)

TYPE LOCALITY: “North Island: common in Auckland province, and probably in most lowland districts. South Island: Nelson, T.F.C., Otago, D. Petrie.”

Specimens: SYNTYPES, Lake Takapuna, near Auckland, T.F.C., Sep 1881, AK 8778; Mercer, Waikato River, T.F.C., Sep 1877, AK 8780; Mercer, Waikato River, T.F.C., Sept 1881, AK 8781; Mercer, Waikato River, T.F.C., Sep 1884, AK 8782-8783; * vicinity of Dunedin, Otago, D. Petrie, no date, AK 8785, AK 211647 (formerly AK 8785); ? SYNTYPES, Hunua, near Auckland, T.F.C., no date, AK 8774-8777.

Coprosma aurantiaca Colenso, *Trans. Proc. N.Z. Inst.* 22:464 (1890)

TYPE LOCALITY: “On low flats, sides of streams, open lands south of Dannevirke, County of Waipawa; 1886-89: W.C. Forming dense impenetrable thickets; also, but more sparingly, in similar localities near Norsewood; 1884: W.C.”

Specimen: ? SYNTYPE, * Dannevirke, Hawkes Bay, W. Colenso, no date, AK 8907.

Coprosma autumnalis Colenso, *Trans. Proc. N.Z. Inst.* 19:263 (1887)

TYPE LOCALITY: “Forests near Norsewood, County of Waipawa; 1881-6: W.C.”

Specimen: ? SYNTYPE, * Norsewood, Hawkes Bay, W. Colenso, May 1886, AK 8689.

Coprosma buechanani Kirk, *Trans. Proc. N.Z. Inst.* 24:424 (1891)

TYPE LOCALITY: "North Island: Near Cape Terawhiti."

Specimen: SYNTYPE, rocky nook near Cape Terawhiti, T. Kirk, Oct 15 1883, AK 8878.

Coprosma chathamica Cockayne, *Trans. Proc. N.Z. Inst.* 34:317 (1902)

TYPE LOCALITY: "Chatham Islands."

Specimens: SYNTYPES, Whangamarino, Chatham Island, Cox & Cockayne, Feb 1901, AK 8717 (ex Herb. L. Cockayne); Chatham Island, Cockayne and Cox, Feb 1901, AK 37336 (ex Herb. L. Cockayne).

Coprosma cheesemanii W.R.B. Oliv., *Bull. Bishop Mus., Honolulu* 132:46 (1935)

TYPE LOCALITY: "... tussock grassland, open low scrub, bog & beech forest, altitude 2000-5000 ft ..."

Specimens: PARATYPES, Rangipo Plain, D.P., 3000 ft, no date, AK 9088 (ex Herb. D. Petrie); * Boundary Peak, Lyell District, 4000 ft, W. Townson, no date, AK 9089, AK 211967 (formerly AK 8089.2); Mt Arthur Plateau, Nelson, alt. 4000 ft, T.F.C., Jany 1886, AK 9090-9095; Mt Arthur Plateau, Nelson, alt. 4000 ft, T.F.C., Jan 1881, AK 9096; Mount Arthur Plateau, Nelson, alt. 4500 ft, T.F.C., Jan 1881, AK 9097.

Coprosma coffaeoides Colenso, *Trans. Proc. N.Z. Inst.* 21:87 (1889)

TYPE LOCALITY: "Edges of woods and margins of streamlets south of Dannevirke, County of Waipawa, 1888: W.C."

Specimens: ? SYNTYPES, Hawkes Bay, Rev. W. Colenso, no date, AK 8726-8728.

Coprosma concinna Colenso, *Trans. Proc. N.Z. Inst.* 16:330 (1884)

TYPE LOCALITY: "Dry woods between Norsewood and Dannevirke [*sic*], Waipawa County, where it is plentiful, 1876-1883: W.C."

Specimens: ? SYNTYPES, * no locality, W. Colenso, no date, AK 8803, AK 209495 (formerly AK 8803.2).

Coprosma crenulata W.R.B. Oliv., *Trans. Proc. N.Z. Inst.* 49:153 (1917)

TYPE LOCALITY: "Clinton Saddle, Lake Te Anau (3,000 ft) and Kelly's Hill, Otira River, Westland (3,500 ft)."

Specimen: SYNTYPE or ISOSYNTYPE, Kelly's Hill, 3800 ft, D.P., Jany 1893, AK 9039.

Coprosma dodonaefolia W.R.B. Oliv., *Bull. Bishop Mus., Honolulu* 132:127 (1935)

TYPE LOCALITY: "New Zealand, Great Barrier Id., Mount Hobson, January 1929, Oliver, Dominion Mus., type."

Specimen: SYNTYPE, * Mt Hobson, Gt. Barrier Island, W.R.B. Oliver, Jan 11, 1929, AK 37296 (ex WELT).

Coprosma heterophylla Colenso, *Trans. Proc. N.Z. Inst.* 18:263 (1886)

TYPE LOCALITY: "In thick, dry woods near Norsewood, County of Waipawa; 1885: W.C."

Specimens: ? SYNTYPES, * North Island, W. Colenso, no date, AK 8817, AK 209496 (formerly AK 8817.2).

Coprosma intertexta G. Simpson, *Trans. R. Soc. N.Z.* 75:194 (1945)

TYPE LOCALITY: "... the Swineburn Valley, near Kyeburn, Central Otago."

Specimens: SYNTYPES, * Swineburn Valley, Central Otago, G. Simpson, no date, AK 22885, AK 211649 (formerly AK 22885b).

Coprosma kirkii Cheeseman, *Trans. Proc. N.Z. Inst.* 29:391 (1897)

TYPE LOCALITY: "North Cape peninsula; Tapotopoto Bay: T. Kirk! Near Whangakea, and coast between Tom Bowline's [Bowling] Bay and Hooper's Point: T.F.C. Near Ahipara: T.F.C." Specimens: SYNTYPES, Tapotopoto Bay, North Cape Peninsula, T. Kirk, Apr 1867, AK 8988; Tom Bowline's [Bowling] Bay, North Cape; T.F.C., Jan 1896, AK 8989-8991; Ahipara, T.F.C., Jan 1896, AK 8996.

Coprosma lentissima Colenso, *Trans. Proc. N.Z. Inst.* 22:465 (1890)

TYPE LOCALITY: "Outer edges of woods, open plains south of Dannevirke, County of Waipawa; 1889: W.C."

Specimen: ? SYNTYPE, * Dannevirke, Hawkes Bay, W. Colenso, no date, AK 8908.

Coprosma lucida J.R. et G. Forst. var. *angustifolia* Cheeseman, *Man. N.Z. Fl.*:859 (1925)

TYPE LOCALITY: "Little Barrier Island, T.F.C.; Cape Colville Peninsula, from Mochau to Te Aroha, T. Kirk! Adams! W. Townson! T.F.C.; Mount Egmont, T.F.C., Cockayne. Sea level to 3500 ft. September-November."

Specimens: SYNTYPES, * Thames, J. Adams, no date, AK 8699; * Upper Kaueranga, Thames, W. Townson, no date, AK 8700; * Thames, Upper Kaueranga, W. Townson, no date, AK 8701; Upper Kaueranga Valley, W. Townson, Oct 1920, AK 8702; Look-out Rocks, Thames, 2000 ft, W. Townson, no date, AK 8703-8704; * Tairua, J. Adams, no date, AK 8705.

Coprosma lucida J.R. et G. Forst. var. *obovata* Kirk, *Stud. Fl.*:231 (1899)

TYPE LOCALITY: "Great Barrier Island and Cape Colville ranges. Sep to Nov."

Specimen: SYNTYPE, * Great Barrier Island, T. Kirk, no date, AK 8693.

Coprosma macrocarpa Cheeseman, *Trans. Proc. N.Z. Inst.* 20:147 (1888)

TYPE LOCALITY: "Three Kings Islands."

Specimens: SYNTYPES, Three Kings Islands, T.F.C., Aug 1887, AK 8681-8682, AK 212410 (formerly AK 8682.2).

Coprosma margarita Colenso, *Trans. Proc. N.Z. Inst.* 28:594 (1896)

TYPE LOCALITY: "Ruahine Mountain Range, east side: Mr A. Olsen; 1895."

Specimen: ? SYNTYPE, * Ruahine Mountain Range, east side, Olsen, no date, AK 9069.

Coprosma multiflora Colenso, *Trans. Proc. N.Z. Inst.* 21:86 (1889)

TYPE LOCALITY: "Low woods south of Dannevirke, County of Waipawa; flowering November, fruiting April, 1887-88: W.C."

Specimens: ? SYNTYPES, * Dannevirke, Hawkes Bay, W. Colenso, no date, AK 8784, AK 211648 (formerly AK 8784.2).

Coprosma neglecta Cheeseman, *Trans. Proc. N.Z. Inst.* 44:160 (1912)

TYPE LOCALITY: "North Island: On the faces of cliffs near the North Cape, January 1896. T.F.C."

Specimens: SYNTYPES, cliffs at the North Cape, T.F.C., Jan 1896, AK 8823 (Fig. 5), AK 8824-8825.

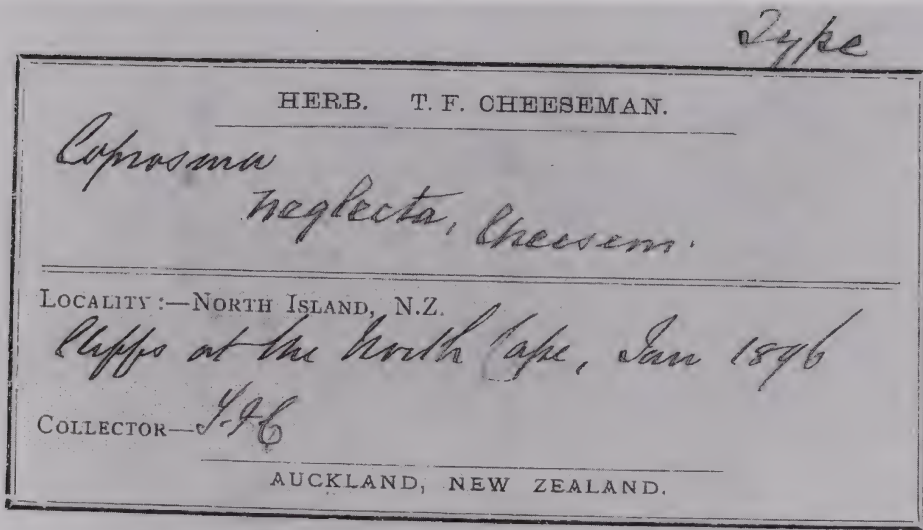


Fig. 5. Herbarium label of T.F. Cheeseman, 1896 (AK 8823), syntype of *Coprosma neglecta* (13 x 7.5 cm).

Coprosma obconica Kirk, *Stud. Fl.*:237 (1899)

TYPE LOCALITY: "South Island: Nelson: Wairoa Gorge, Bryant and Kirk. Aug."
 Specimens: ? SYNTYPES or ? ISOSYNTYPES, * Wairoa Gorge, Nelson, D. Bryant, no date, AK 8918-8919.

Coprosma orbiculata Colenso, *Trans. Proc. N.Z. Inst.* 22:465 (1890)

TYPE LOCALITY: "Shaded forests south of Dannevirke, County of Waipawa; 1889: W.C."
 Specimen: ? SYNTYPE, * Dannevirke, Hawkes Bay, W. Colenso, no date, AK 8804.

Coprosma parviflora Hook.f. var. *dumosa* Cheeseman, *Man. N.Z. Fl.*:254 (1906)

TYPE LOCALITY: "North and South Islands, Stewart Island, Auckland and Campbell Islands: Abundant throughout, ascending to over 4000 ft. October-January."
 Specimens: SYNTYPES, Mount Arthur Plateau, Nelson, T.F.C., Jan 1886, AK 8864, AK 8866; * Wooded Peak, F.G. Gibbs, no date, AK 8865; Red Hills Wairau Valley, alt. 2500 ft, T.F.C., Jan 1882, AK 8867-8868.

Coprosma parviflora Hook.f. var. *pilosa* Cheeseman, *Trans. Proc. N.Z. Inst.* 19:242 (1887)

TYPE LOCALITY: "Common in many places on the mountains of Nelson and Canterbury."
 Specimens: SYNTYPES, Mount Arthur Plateau, Nelson, alt. 4000 ft, T.F.C., Jan 1886, AK 8828-8830; Arthur's Pass, Canterbury Alps, 3000 ft, T.F.C., Jan 1883, AK 8831.

Coprosma pendula Colenso, *Trans. Proc. N.Z. Inst.* 21:84 (1889)

TYPE LOCALITY: "Dry woods south of Dannevirke, County of Waipawa; flowering

October, fruiting April, 1887 and 1888: W.C.”

Specimens: ? SYNTYPES, * Dannevirke, Hawkes Bay, W. Colenso, no date, AK 8888-8889.

Coprosma petriei Cheeseman, *Trans. Proc. N.Z. Inst.* 18:316 (1886)

TYPE LOCALITY: “South Island, mountains near Lake Tekapo, Canterbury, altitude 4,000 ft; T.F.C. Uplands in the interior of Otago, common; D. Petrie!

Specimens: SYNTYPES, * Mt St Bathans, D. Petrie, no date, AK 9123; * Cromwell, Otago, 700 ft, D. Petrie, no date, AK 9124; Maniototo Plain, D. Petrie, no date, AK 9128; ? SYNTYPES, * Otago, D. Petrie, no date, AK 9126-9127; no locality, no collector (label in Petrie’s hand), no date, AK 9129.

Coprosma ramulosa Petrie, *Trans. Proc. N.Z. Inst.* 27:406 (1895)

TYPE LOCALITY: “Arthur’s Pass (3,000 ft), and Kelly’s Hill (2,500 ft to 3,500 ft) both in Westland.”

Specimen: SYNTYPE or ISOSYNTYPE, Kellys Hill, 2300 ft, L.C., Feb 1896, AK 8871.

Coprosma rhamnoides A. Cunn. var. *divaricata* Cheeseman, *Trans. Proc. N.Z. Inst.* 19:240 (1887)

TYPE LOCALITY: Not stated.

Specimens: SYNTYPES, Northcote, near Auckland, T.F.C., Sep 1884, AK 8805; Northcote, near Auckland, T.F.C., Aug 1884, AK 8806-8807, AK 211653 (formerly AK 8806.2), AK 211654-211655 (formerly AK 8807.2-8807.3); ? SYNTYPES, Chelsea, near Auckland, T.F.C., no date, AK 8808-8812, AK 211656 (formerly AK 8809.2).

Coprosma rigida Cheeseman, *Trans. Proc. N.Z. Inst.* 19:243 (1887)

TYPE LOCALITY: “North and South Islands - Not uncommon throughout, in swampy forests.”

Specimens: SYNTYPES, Mercer, Waikato, T.F.C. Sep 1884, AK 8900-8902, AK 212411 (formerly AK 8902.2); Mercer, Waikato River, T.F.C., Sep 1881, AK 8903-AK 8904.

Coprosma rubra Petrie, *Trans. Proc. N.Z. Inst.* 17:269 (1885)

TYPE LOCALITY: “Dunedin, mostly in woods.”

Specimens: ? SYNTYPES, * vicinity of Dunedin, Otago, D. Petrie, no date, AK 8921-8930, AK 211963 (formerly AK 8926.2).

Coprosma rufescens Colenso, *Trans. Proc. N.Z. Inst.* 18:261 (1886)

TYPE LOCALITY: “Scattered on margins of low forests, near Norsewood, County of Waipawa; 1874-85: W.C.”

Specimen: ? SYNTYPE, * Hawkes Bay, W. Colenso, no date, AK 8768.

Coprosma rugosa Cheeseman, *Man. N.Z. Fl.*:1141 (1906)

TYPE LOCALITY: “South Island: Nelson - Buller Gorge. W. Townson! Clarence Valley, T.F.C. Canterbury - Arthur’s Pass and Mount Cook district, T.F.C. Otago - Near Dunedin, Petrie! Sea-level to 3000 ft.”

Specimens: SYNTYPES, * Buller Gorge, near Westport, W. Townson, AK 8960-8963; Clarence Valley, 3500 ft, T.F.C., Jan 1883, AK 8964; Arthur’s Pass, Canterbury Alps, 3000 ft, T.F.C., Jan 1880, AK 8965; Hermitage, Mt Cook, 2500 ft, T.F.C., Jan 1898, AK 8966-8967; * vicinity of Dunedin, Otago, alt. 1500 ft, D. Petrie, no date, AK 8968-8971.

Coprosma tenuicaulis Hook.f. var. *major* Cheeseman, *Man. N.Z. Fl.*:252 (1906)

TYPE LOCALITY: "Lower Waikato, H. Carse!"

Specimen: SYNTYPE, Lower Waikato, H.C., 12 Oct 1901, AK 8788.

Coprosma tenuifolia Cheeseman, *Trans. Proc. N.Z. Inst.* 18:315 (1886)

TYPE LOCALITY: "Ruahine Mountains; Colenso ... Pirongia Mountain, Mount Karioi; abundant on the Mount Egmont Ranges, T.F.C ... collected by Mr Kirk between Upper Wanganui and the Waikato ..."

Specimens: SYNTYPES, * no locality, W. Colenso, no date, AK 8743; * near base of Ruapehu, T. Kirk, no date, AK 8745; Mount Egmont Ranges, T.F.C., Jan 1885, AK 8746; Stratford, Taranaki, T.F.C., January 1885, AK 8747; Pirongia Mountain, Waikato, T.F.C., no date, AK 8748.

Coprosma turbinata Colenso, *Trans. Proc. N.Z. Inst.* 24:389 (1892)

TYPE LOCALITY: "Sides of streamlets, edges of woods, south of Dannevirke, County of Waipawa; 1890-91: W.C."

Specimens: ? SYNTYPES, * Dannevirke, Hawkes Bay, W. Colenso, no date, AK 8905-8906, AK 209497 (formerly AK 8905.2).

Coprosma virescens Petrie, *Trans. Proc. N.Z. Inst.* 11:426 (1879)

TYPE LOCALITY: "Dunedin, Water of Leith, Vauxhall, Saddle Hill, where it was first gathered by Mr A.C. Purdie."

Specimens: ? SYNTYPES, * Dunedin, D. Petrie, no date, AK 8933-8937, AK 211964 (formerly AK 8936).

Coprosma waima A.P. Druce, *N.Z. J. Bot.* 27:119 (1989)

TYPE LOCALITY: "Holotypus, Mt Hautura, Waima Forest, Northland, 2100 ft, rock face, SW facing, L.J. Forester and J.G. Beachman, 17 April 1986, CHR 394507."

Specimens: ISOTYPES, * NZ, NI, Hokianga Co., Waima State Forest: below Hauturu Trig, L.J. Forester & J.G. Beachman, 17 April 1986, AK 176710-176711 (holotype in CHR, †Druce 1989:119).

Coprosma wallii Petrie ex Cheeseman, *Man. N.Z. Fl.*:867 (1925)

TYPE LOCALITY: "South Island: Canterbury - Poulter River, Upper Waimakariri, Peel Forest, A. Wall! 1800-2500 ft. November-December."

Specimen: SYNTYPE, * Upper Poulter River, Waimakariri Basin, A. Wall, no date, AK 8880.

Galium erythrocaulon Colenso, *Trans. Proc. N.Z. Inst.* 16:332 (1884)

TYPE LOCALITY: "Stony declivities, skirts of dry woods between Norsewood and Dannevirke (*sic*), Waipawa County, 1879-1882: W.C."

Specimen: ? SYNTYPE, * Dannevirke, Hawkes Bay, W. Colenso, no date, AK 9168.

Galium trilobum Colenso, *Trans. Proc. N.Z. Inst.* 20:192 (1887)

TYPE LOCALITY: "Edge of streamlets in dense shaded woods near Dannevirke (*sic*), County of Waipawa; 1887; W.C."

Specimen: ? SYNTYPE, * Hawkes Bay, W. Colenso, no date, AK 9165.

Nertera ciliata Kirk, *Stud. Fl.*:247 (1899)

TYPE LOCALITY: "South Island: Bealey Gorge, 2,000 ft, Jan 1876. Enys and Kirk."
Specimen: SYNTYPE, * Bealey, Canterbury Alps, T. Kirk, no date, AK 9153.

SAPINDACEAE

Alectryon excelsus Gaertn. var. *grandis* Cheeseman, *Trans. Proc. N.Z. Inst.* 24:409 (1892)
TYPE LOCALITY: "Cliffs on the north side of the Three Kings Islands; a single small clump alone seen. T.F.C."
Specimens: SYNTYPES, Three Kings Islands, T.F.C., November 1889, AK 5125, AK 210755-210756 (formerly AK 5125.2-5125.3).

SCROPHULARIACEAE

Calceolaria (Jovellana) sturmii Colenso, *Trans. Proc. N.Z. Inst.* 27:392 (1895)
TYPE LOCALITY: "On the west side of the Kaweka mountain range, near Napier; 1893-94: Mr W.F.C. Sturm."
Specimen: ? SYNTYPE, * Kaweka Mountains, Hawkes Bay, Sturm, no date, AK 7604.

Euphrasia cheesemanii Wettst., *Öst. bot. Z.*:381 (1900)
TYPE LOCALITY: "New Zealand. South Island: Mt Arthur Plateau, Nelson, alt. 4000 ft - Mt Owen, Nelson, 4000 ft - leg. T.F. Cheeseman."
Specimens: ISOSYNTYPES, Mount Arthur Plateau, Nelson, alt. 4000 ft, T.F.C., Jan 1886, AK 8578; Mount Owen, Nelson, alt. 4000 ft, T.F.C., Jan 1882, AK 8579.

Euphrasia dyeri Wettst., *Mon. Gatt. Euphr.*:267 (1896)
TYPE LOCALITY: "Neu-Seeland. Mt Kyeburn, Otago, (lg. Pelise)."
Specimen: ISOSYNTYPE, * Mt Kyeburn, Otago, 4500 ft, D. Petrie, no date, AK 8586.

Euphrasia integrifolia Petrie, *Trans. Proc. N.Z. Inst.* 47:53 (1915)
TYPE LOCALITY: "Wet alpine meadow and bogs on Mount Cleughern, Fiord County, Southland, about 5,000 ft; J. Crosby Smith!"
Specimens: SYNTYPES or ISOSYNTYPES, * Mt Cleughern, Southland, Crosby-Smith, no date, AK 8577, AK 210583 (formerly AK 8577.2).

Euphrasia umbellata Petrie, *Trans. Proc. N.Z. Inst.* 43:256 (1911)
TYPE LOCALITY: "Mouth of the Oreti River, Southland."
Specimens: SYNTYPES or ISOSYNTYPES, * mouth of the Oreti River, Southland, J. Crosby Smith, no date, AK 8587-8588.

Gratiola concinna Colenso, *Trans. Proc. N.Z. Inst.* 19:264 (1887)
TYPE LOCALITY: "Edges of swamp in forest, south bank of the River Mangatawhainui, near Norsewood, County of Waipawa ... March, 1886: W.C."
Specimen: ? SYNTYPE, * Norsewood, Hawkes Bay, W. Colenso, no date, AK 7634.

Gratiola glandulifera Colenso, *Trans. Proc. N.Z. Inst.* 17:245 (1885)
TYPE LOCALITY: "In boggy spots, edges of water-courses near Norsewood, County of Waipawa; 1884, but very local; flowering in March: W.C."
Specimen: ? SYNTYPE, * Norsewood, Hawkes Bay, W. Colenso, no date, AK 7627.

Hebe amplexicaulis (J.B. Armstr.) Cockayne et Allan var. *erecta* Cockayne et Allan, *Trans. Proc. N.Z. Inst.* 56:26 (1926)

TYPE LOCALITY: "South Island: Eastern Botanical District - On rocky outcrops at about 350 m altitude, upper Rangitata River, H.H.A."

Specimen: PARATYPE, near stream entering Rangitata river, above Gorge, H.H. Allan, 3.1.1919, AK 107695 (ex Herb. L. Cockayne), (holotype in CHR, †Garnock-Jones and Molloy 1982:395).

Hebe brockiei G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 72:28 (1942)

TYPE LOCALITY: "Grassland on hills between Amuri Pass and Lake Man, at the head of the Doubtful River, Canterbury, at 1200-1500 m altitude."

Specimens: SYNTYPE, * grassland on hills between Amuri Pass & Lake Man, at the head of the Doubtful River, Canterbury, 1200-1500 m, G.S. & J.S.T., no date, AK 107867; ? SYNTYPE, * no locality, no collector, no date, AK 107866.

Hebe buxifolia (Benth.) Cockayne var. *pauciramosa* Cockayne et Allan, *Trans. Proc. N.Z. Inst.* 56:27 (1926)

TYPE LOCALITY: "South Island: North-Western, Western, Fiord, and South Otago Botanical Districts - In wet ground, mainly subalpine: L.C."

Specimen: SYNTYPE, wet ground near Lake Harris, 3800 ft, L.C., 6 May 1921, AK 107674.

Hebe fruticeti G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 70:30 (1940)

TYPE LOCALITY: "Subalpine scrub on basins at the head of the Estuary Burn, Lake Wanaka. Altitude 1000-1500 m."

Specimen: SYNTYPE, * subalpine scrub, Estuary Burn, Lake Wanaka, no collector, no date, AK 22161 (ex Herb. G. Simpson and J.S. Thomson).

Hebe murrellii G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 73:165 (1943)

TYPE LOCALITY: "... the Kepler range at sources of the Freeman River, near Fowler's Pass, Lake Manapouri."

Specimen: SYNTYPE, * Fowler Pass, Geo. Simpson, no date, AK 22904.

Hebe ochracea Ashwin in Allan, *Fl. N.Z.* 1:936 (1961)

TYPE LOCALITY: "Cobb Valley, BD 97077, F.G. Gibbs."

Specimen: ISOTYPE, * Cobb Valley, near Mt Peel, Nelson, Apr 1903, AK 8243 (†Ashwin in Allan 1961:936), (holotype in CHR, †Ashwin in Allan 1961:936).

Hebe pareora Garn.-Jones et Molloy, *N.Z. J. Bot.* 20:398 (1982)

TYPE LOCALITY: "Upper Pareora Gorge, on cliffs overhanging river, Garnock-Jones 1512, Molloy and Anderson, 4 Feb 1981, CHR 363050!"

Specimen: ISOTYPE, Upper Pareora Gorge, South Canterbury, P.J. Garnock-Jones 1512, B.J.P. Molloy and J.A. Anderson, 4/2/1981, AK 179708 (ex CHR), (holotype in CHR, †Garnock-Jones and Molloy 1982:398).

Hebe pauciflora G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 73:166 (1943)

TYPE LOCALITY: "... the Kepler Range, near Fowler Pass, head of the Freeman River, Lake Manapouri."

Specimen: SYNTYPE, * Fowler Pass, Geo Simpson, no date, AK 22903.

Hebe pimeleoides (Hook.f.) Cockayne et Allan var. *rupestris* Cockayne et Allan, *Trans. Proc. N.Z. Inst.* 57:38 (1926)

TYPE LOCALITY: Not stated.

Specimen: LECTOTYPE, Dunstan Mts, at about 1800 m alt, L. Cockayne, 18 March 1919, AK 107758 (ex Herb. L. Cockayne, formerly AK 611, †Allan 1961:924).

Hebe ramosissima G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 72:29 (1943)

TYPE LOCALITY: "Moist debris on Mount Tapuaenuku, Inner Clarence Basin, Marlborough, 2150 m altitude."

Specimen: SYNTYPE, * Moist debris on Mount Tapuaenuku, Inner Clarence Basin, Marlborough, 2150 m, G.S. & J.S.T., no date, AK 107861.

Hebe recurva G. Simpson et J.S. Thomson, *Trans. R. Soc. N.Z.* 70:32 (1940)

TYPE LOCALITY: "Rock platforms on the banks of the Aorere River near Bainham, Nelson ..."

Specimen: SYNTYPE, * rock platforms on the banks of the Aorere River near Bainham, Nelson, no collector, no date, AK 22162 (ex Herb. G. Simpson and J.S. Thomson).

Hebe topiaria L.B. Moore in Allan, *Fl. N.Z.* 1:917 (1961)

TYPE LOCALITY: "Mt Arthur Tableland, Nelson, BD 76137, F.G. Gibbs."

Specimen: ISOTYPE, * Mount Arthur Nelson, F.G. Gibbs n576, no date, AK 8051 (holotype in CHR, †Moore in Allan 1961:917).

Mazus novaezeelandiae W.R. Barker, *Roy. Soc. Tasm.*, Hobart:88 (1991)

TYPE LOCALITY: "B.V. Sneddon & T. Moss s.n., 8.xii.1986, Hawkins Gully Stream about 0.5 km from its outlet into the Makara Stream estuary, Wellington."

Specimens: ISOTYPE, New Zealand, North Island, Wellington District, Hawkins Gully Stream about 0.5 km from its outlet into the Makara Stream estuary, B.V. Sneddon & T. Moss sn, 8.xii.1966, AK 214468 (ex AD, †Barker 1991:89); PARATYPE, North Island, Hokianga County, Mitimiti, North Hokianga, A.E. Wright 2521, 15 November 1977, AK 143684 (†Barker 1991:91).

Mitrasacme cheesemani Buchanan, *Trans. Proc. N.Z. Inst.* 14:348 (1882)

TYPE LOCALITY: "South Island: Mount Alta, 5,000 ft alt - Buchanan and McKay, 1881."

Specimen: SYNTYPE, * Mt Alta, Otago, fragment from type specimen, J. Buchanan & McKay, 1881, AK 8174.

Mitrasacme petriei Buchanan, *Trans. Proc. N.Z. Inst.* 14:349 (1882)

TYPE LOCALITY: "South Island: Mount Bonpland, 6,000 ft alt, D. Petrie, 1881."

Specimen: SYNTYPE or ISOSYNTYPE, * Mount Bonpland, Otago, 4500 ft, D. Petrie, no date, AK 8283.

Ourisia prorepens Petrie, *Trans. Proc. N.Z. Inst.* 25:272 (1893)

TYPE LOCALITY: "Mount Bonpland, 4000ft."

Specimen: SYNTYPE, Mount Bonpland, Lake Co., 5000 ft, D. Petrie, no date, AK 8503.

Parahebe catarractae (G. Forst.) W.R.B. Oliv. subsp. *martinii* Garn.-Jones, *N.Z. J. Bot.* 18:295 (1980)

TYPE LOCALITY: "Brian Boru Stream, N.E. of Chalk range, Marlborough, c.1000 ft, A.P. Druce, 8.12.1975!"

Specimen: ISOTYPE, Brian Boru Stream, N.E. of Chalk Range, Marlborough, c.1000 ft, A.P. Druce, 8 Dec 1975, AK 210584 (ex CHR), (holotype in CHR, †Garnock-Jones 1980:295).

Parahebe decora Ashwin in Allan, *Fl. N.Z.* 1:877 (1961)

TYPE LOCALITY: "Hooker Valley, Mount Cook, 750 m altitude."

Specimens: HOLOTYPE, Hooker Valley, Mount Cook district, 2500 ft, T.F.C., no date, AK 8392 (†Ashwin in Allan 1961:877); ? ISOTYPE, AK 8391; ? ISOTYPES, Hooker Valley, alt. 2500 ft, T.F.C., Jan 1898, AK 8388; Hooker Valley, Mt Cook District, alt. 2500 ft, T.F.C., Jan 1909, AK 8389-8390.

Parahebe laxa W.R.B. Oliv., *Rec. Dom. Mus.* 1:229 (1944)

TYPE LOCALITY: "Fine debris amongst rocks of moraine on the floor of the Homer Valley basin, near the tunnel, with *Myosotis laingii*, at 800 m altitude."

Specimens: SYNTYPES, * fine debris amongst rocks of moraine on the floor of the Homer Valley basin, near tunnel with *Myosotis laingii*, 800 m, no collector, no date, AK 107862-107863.

Parahebe linifolia (Hook.f.) W.R.B. Oliv. subsp. *brevistylis* Garn.-Jones, *N.Z. J. Bot.* 14:288 (1976)

TYPE LOCALITY: "Franz Josef Glacier, Westland, New Zealand. Garnock-Jones 302."

Specimen: ISOTYPE, Franz Joseph Glacier, Westland, New Zealand, P.J. Garnock-Jones, 13 Nov 1974, AK 141355 (ex CHR), (holotype in CHR, †Garnock-Jones 1976:288).

Pygmaea myosotoides Ashwin in Allan, *Fl. N.Z.* 1:873 (1961)

TYPE LOCALITY: "Mt Pisa, 1800 m altitude."

Specimen: HOLOTYPE, * Mt Pisa, 6000 ft, D. Petrie, no date, AK 8334 (†Ashwin in Allan 1961:873).

Veronica adamsii Cheeseman, *Man. N.Z. Fl.*:786 (1925)

TYPE LOCALITY: "North Island: North Cape district, open hillsides by the road between Spirits Bay and Tom Bowline's [Bowling] Bay, not uncommon, Adams and T.F.C., January 1896. January-February."

Specimens: LECTOTYPE, Kapowairau to Tom Bowline's [Bowling] Bay, North Cape, T.F.C., Jan 1896, AK 7666 (†Garnock-Jones 1994:11); ISOLECTOTYPES, AK 7665, AK 203330 (formerly AK 7666).

Veronica amabilis (Cheeseman) Cockayne et Allan var. *blanda* Cheeseman, *Man. N.Z. Fl.*:506 (1906)

TYPE LOCALITY: "Port Chalmers, Petrie! Preservation Inlet, Kirk! Stewart Island: Port William, Lyell; Paterson's Inlet, G.M. Thomson! Ruapuke Island, H.J. Matthews!"

Specimen: LECTOTYPE, Otago Harbour, D. Petrie, Feb 1893, AK 7804 (†Moore in Allan 1961:949).

Veronica amplexicaulis J.B. Armstr., *N.Z. Ctry J.* 3:56 (1879)

TYPE LOCALITY: "Upper Rangitata, J.F. Armstrong."

Specimen, ? ISOLECTOTYPE, * Upper Rangitata, Canterbury, J.B. Armstrong, no date, AK 8135 (lectotype in CHBG, †Garnock-Jones and Molloy 1982:395).

Veronica arborea Buchanan, *Trans. Proc. N.Z. Inst.* 6:242 (1874)

TYPE LOCALITY: "... the neighbourhood of Wellington, in the rough bush country near Makara and Terawiti."

Specimen: SYNTYPE, * near Cape Terawiti, Wellington, J. Buchanan, no date, AK 7854.

Veronica armstrongii J.F. Johnson ex J.B. Armstr., *N.Z. Ctry J.* 3:59 (1879)

TYPE LOCALITY: "Upper Rangitata. J.F. Armstrong and W. Grey."

Specimen: ? SYNTYPE, * Rangitata River, Canterbury, 4-6000 ft, J.B. Armstrong, 1869, AK 8252.

Veronica astonii Petrie, *Trans. Proc. N.Z. Inst.* 40:288 (1908)

TYPE LOCALITY: "Crescit in scopulosis jugis Montis Hector apud Tararua Montes in insula boreali Novae-Zelandiae."

Specimen: SYNTYPE, * Mount Hector, Tararua Range, D. Petrie, Jan 1907, AK 8191.

Veronica barkeri Cockayne, *Trans. Proc. N.Z. Inst.* 31:421 (1899)

TYPE LOCALITY: "Chatham Islands; S.D. Barker (1898)."

Specimen: SYNTYPE, * cultivated at Christchurch, plant originally from the Chatham Islands, L. Cockayne, no date, AK 7663.

Veronica biggarii Cockayne, *Trans. Proc. N.Z. Inst.* 48:199 (1916)

TYPE LOCALITY: "Otago - on subalpine rocks, Eyre Mountains, at 1,200 m altitude; D.L. Poppelwell!"

Specimens: SYNTYPE, * plant originally from Eyre Mts, Lake Wakitipu, subalpine belt (specimen from cultivated plants), D.L. Poppelwell, no date, AK 107833 (ex Herb. L. Cockayne); SYNTYPE or ISOSYNTYPE, * Eyre Mts, D.L. Poppelwell, Xmas 1910, AK 37937.

Veronica birleyi N.E. Br., *Kew Bull.* for 1911:345 (1911)

TYPE LOCALITY: "South Island: between rocks on the top ridge of Mount Bonpland, near Lake Wakatipu, 2435 m, Feb 1908, Miss L.S. Gibbs 1172."

Specimen: SYNTYPE, Mt Bonpland, between rocks on top ridge, 2000 m, L.S. Gibbs, Feb 1908, AK 8415 (ex Herb. L.S. Gibbs).

Veronica bollonsii Cockayne, *Trans. Proc. N.Z. Inst.* 44:50 (1912)

TYPE LOCALITY: "Auckland - The Poor Knights Islands. L.C. Blooms in cultivation in the neighbourhood of Christchurch in April and later."

Specimen: SYNTYPE, * Poor Knights Islands, L. Cockayne, no date, AK 7667.

Veronica buchananii Hook.f., *Handbk. N.Z. Fl.*:211 (1864)

TYPE LOCALITY: "Middle Island: Otago, lake district, alpine, alt. 3-5000 ft, Hector and Buchanan."

Specimen: ISOSYNTYPE, * Mt Alta, Otago, 6500 ft, J. Buchanan, no date, AK 8138.

Veronica buchananii Hook.f. var. *exigua* Cheeseman, *Man. N.Z. Fl.*:527 (1906)

TYPE LOCALITY: "South Island; Canterbury - Mount Cook district (var. major and exigua), T.F.C."

Specimens: SYNTYPES, Hooker Glacier, 3500 ft, T.F.C., Jan 1898, AK 8147-8148.

Veronica buchananii Hook.f. var. *major* Cheeseman, *Man. N.Z. Fl.*:527 (1906)

TYPE LOCALITY: "South Island; Canterbury - Mount Cook district (var. major and exigua), T.F.C. Mount Kyeburn (var. major), Petrie! H. J. Matthews!"

Specimens: SYNTYPES, Hooker Glacier, Canterbury, 3000 ft, T.F.C., no date, AK 8142-8143; Mount Sebastopol, Hooker Valley, 4500 ft, T.F.C., Jan 1898, AK 8144; * top of Kyeburn, Otago, H.J. Matthews, no date, AK 8146.

Veronica buxifolia Benth. var. *patens* Cheeseman, *Man. N.Z. Fl.*:523 (1906)

TYPE LOCALITY: "Plentiful from Nelson to Foveaux Strait."

Specimen: LECTOTYPE, Mount Arthur Plateau, Nelson, alt. 4000 ft, T.F.C., no date, AK 8076 (†Moore in Allan 1961:924).

Veronica carsei Petrie, *T.N.Z.I.* 55:96 (1924)

TYPE LOCALITY: "Margins of forests and woods, Waimarino Plain: W. Townson! H. Carse! H.B. Matthews! Kaimanawa Range: B.C. Aston!"

Specimens: SYNTYPE, Rotoaira Rd, edge of bush, H.C., H.B.M., D.P., Jan, AK 37929 (ex Herb. H.B. Matthews); SYNTYPES or ISOSYNTYPES, edge of forest, Rotoaira Road, near Whakapapaaiti R., Waimarino Plains, H. Carse & H.B. Matthews, Jan 1921, AK 7963 (ex Herb. H. Carse); from margin of forest, Waimarino Plain, H. Carse, Jan 1921, AK 7966; Rotoaira Rd, H.B.M. & H.C., 19 Jan 1921, AK 37926 (ex Herb. H.B. Matthews), AK 37928 (ex Herb. H.B. Matthews); Waimarino P, H.C., 20/1/21, AK 37930 (ex Herb. H.B. Matthews); * Waimarino Plains, H.B.M., 29/12/1920, AK 214661 (formerly AK 37930, ex Herb. H.B. Matthews); Waimarino plain near east margin of forest, H.C. & H.B.M., Jan. 1918, AK 37931 (ex Herb. H.B. Matthews); Waimarino, H.C., Jan 1918 or 20/01/1921 or 29/12/20, AK 37932 (ex Herb. H.B. Matthews).

Veronica cheesemanii Benth., *Jc. Pl.* 48:plate 1366A (1881)

TYPE LOCALITY: "New Zealand; Nelson, on the Raglan Mountains, Wairau Valley, alt. 5000 ft, T.F. Cheeseman."

Specimen: ISOSYNTYPE, Raglan Range, Wairau Valley, alt. 5000 ft, T.F.C., Jan 1881, AK 8428.

Veronica coarctata Cheeseman, *Man. N.Z. Fl.*:531 (1906)

TYPE LOCALITY: "South Island: Nelson - Mount Arthur and Mount Owen, T.F.C.; Mount Owen and Brunner Range, Townson! 3500-5000 ft. January-March."

Specimens: LECTOTYPE, Mount Arthur Plateau, Nelson, 4000 ft, T.F.C., Jan 1886, AK 8233 (†Allan 1961:930); PARALECTOTYPES, Mount Arthur Plateau, Nelson, alt. 4500 ft, T.F.C., Jan 1881, AK 8230; Mount Arthur, Nelson, alt. 4000 ft, T.F.C., Jan 1886, AK 8232; * Brunner Range, Nelson, 3000-5000 ft, W. Townson, no date, AK 8234; * Mount Owen, Nelson, W. Townson, no date, AK 8235.

Veronica cockayniana Cheeseman, *Man. N.Z. Fl.*:522 (1906)

TYPE LOCALITY: "South Island: Nelson - Mount Lyell and Mount Murchison, Townson! near Reefton, R.W. Raithby! Otago - Humboldt Mountains, Cockayne! Clinton Valley,

Petrie! 2000-4500 ft. December-February.”

Specimen: SYNTYPE, * Humboldt Mountains, Otago, L. Cockayne, no date, AK 8054 (ex Herb. L. Cockayne).

Veronica darwiniana Colenso, *Trans. Proc. N.Z. Inst.* 25:332 (1893)

TYPE LOCALITY: “On hills in the interior, Hawkes’ Bay; 1890-92: W.C.”

Specimens: ? SYNTYPES, * Hawkes Bay, W. Colenso, no date, AK 7968, AK 214495; * Hawkes Bay, W. Colenso, 1891, AK 7969.

Veronica dasyphylla Kirk, *Trans. Proc. N.Z. Inst.* 28:519 (1896)

TYPE LOCALITY: “South Island: Nelson - Mount Arthur, &c., W.H. Bryant! Otago - West Coast Sounds, Lake District and Mount Alta, J. Buchanan! Ben Lomond and Old Man Range, D. Petrie! 3,500 ft-5,000 ft.”

Specimen: SYNTYPE, * Otago Sounds, J. Buchanan, no date, AK 8289 (ex Herb. T. Kirk).

Veronica dasyphylla Kirk var. *minor* G. Simpson et J.S. Thomson, *Trans. Roy. Soc. N.Z.* 72:30 (1943)

TYPE LOCALITY: “Turfy hollows amongst low grasses and other vegetation on the summit of Mount St Mary, Kurow, Waitaki Valley.”

Specimen: SYNTYPE, * turf hollows amongst low grasses and other vegetation on summit of Mt St Mary, Kurow, Waitaki Valley, G.S. & J.S.T., no date, AK 107848.

Veronica dasyphylla Kirk var. *subacuta* Simpson et Thomson, *Trans. Roy. Soc. N.Z.* 72:30 (1943)

TYPE LOCALITY: “Peaty ridges at Rough Peaks, lake Wakitipu.”

Specimen: SYNTYPE, * peaty ridges at Rough Peaks, Lake Wakitipu, G.S. & J.S.T., no date, AK 107847.

Veronica divergens Cheeseman, *Man. N.Z. Fl.*:502 (1906)

TYPE LOCALITY: “South Island: Nelson - Coast near Brighton, to the south of Westport, Townson!”

Specimen: SYNTYPE, * Brighton, south of Westport, W. Townson, no date, AK 7691.

Veronica dorrien-smithii Cockayne, *Trans. Proc. N.Z. Inst.* 44:51 (1912)

TYPE LOCALITY: “Chatham Island: Growing on peaty ground at margin of Lake Tekua Taupo at an altitude of 240 m ...”

Specimen: SYNTYPE, Growing on steep peaty bank of Lake Tekua Taupo, tobacco country, Chatham Island, L. Cockayne & F.A.D. Cox, Feb 1901, AK 7660 (ex Herb. L. Cockayne).

Veronica gibbsii Kirk, *Trans. Proc. N.Z. Inst.* 28:524 (1896)

TYPE LOCALITY: “South Island; Nelson - Mount Rintoul and Ben Nevis; 3,000-4,000 ft; F.G. Gibbs!”

Specimens: SYNTYPE, Mount Rintoul, no collector (label in Kirk’s hand), no date, AK 8098 (ex Herb. T. Kirk); ? SYNTYPES or ISOSYNTYPES, * Ben Nevis, alt 4000 ft, F.G. Gibbs, no date, AK 8099-8101.

Veronica glaucophylla Cockayne, *Trans. Proc. N.Z. Inst.* 31:422 (1899)

TYPE LOCALITY: Craigieburn Mountains, Canterbury, at altitude of 1,200 m (1890); L.C.”

Specimen: ? NEOTYPE, cultivated plant, originally from Craigieburn Mountains, no collector (label in Cockayne's hand), Jan 11th 1902, AK 7970 (ex Herb. L. Cockayne, †Moore in Allan 1961:917 as "type").

Veronica insularis Cheeseman, *Trans. Proc. N.Z. Inst.* 29:392 (1897)

TYPE LOCALITY: "Three Kings Islands; rocky places on both the Great King and Western King but not common."

Specimens: SYNTYPES, Three Kings Islands, T.F.C., Nov 1889, AK 7888-7890.

Veronica laevis Benth. var. *carosula* Hook.f., *Fl. N.Z.* 1:194 (1854)

TYPE LOCALITY: Not stated.

Specimen: ? SYNTYPE, * N. Zealand, Upper Wairau, D. Munro 1850, ? no date, AK 8103 (ex K).

Veronica laingii Cockayne, *Rep. Bot. Surv. St. Id.*:44 (1909)

TYPE LOCALITY: "Stewart Island: Near summit of Mount Anglem ..."

Specimen: SYNTYPE, Mount Anglem, near summit, Stewart Island, L.C., Jan 1907, AK 107837 (ex Herb. L. Cockayne).

Veronica leiophylla Cheeseman, *Man. N.Z. Fl.*:509 (1906)

TYPE LOCALITY: "South Island: Apparently not uncommon throughout, from Nelson to Otago. Sea-level to 3000 ft."

Specimens: ? SYNTYPES, * Tuamarina Swamp, near Picton, J.H. Macmahon, no date, AK 7855; * Pelorus Sound, Marlborough, J.H. Macmahon, no date, AK 7856; * Marlborough, J.H. Macmahon, no date, AK 7857-7858; * Awatere River, Marlborough, J.H. Macmahon, no date, AK 7859; * Awatere Valley, Marlborough, J.H. Macmahon, no date, AK 7860; * Awatere Valley, Marlborough, H.J. Matthews, no date, AK 7861; * Mason River, Marlborough, H.J. Matthews, no date, AK 7862; * Mason River, Rev. H.J. Spencer, no date, AK 7864; Mt Fyffe, Kaikoura, L.C., Jan 1892, AK 7865 (ex Herb. L. Cockayne); Wairau Valley, Nelson, 1500 ft, T.F.C., no date, AK 7866; Buller Valley, Nelson, alt. 1500 ft, T.F.C., Jan 1881, AK 7867; Hanmer Plains District, foot of Mt Captain, L.C., Nov 1896, AK 7868 (ex Herb. L. Cockayne); growing within the bush gully on Jack's Pass, Hanmer Plains, L. Cockayne, Feb 1889, AK 7869 (ex Herb. L. Cockayne); Hanmer Plains District, no collector (label in Cockayne's hand), Nov 1896, AK 7870 (ex Herb. L. Cockayne); * Hanmer Plains, D.L. Poppelwell, no date, AK 7871; * Banks Peninsula, R.M. Laing, no date, AK 7872, AK 7875; * Little Rapali, Banks Peninsula, R.M. Laing, no date, AK 7873; * Crown Island, Banks Peninsula, R.M. Laing, no date, AK 7874; * Blue Mountains, Otago, 800-1000 ft, H.J. Matthews, no date, AK 7876; Clutha Valley, Dunedin, no collector (label in Petrie's hand), no date, AK 7877 (ex Herb. D. Petrie).

Veronica macrantha Hook.f. var. *brachyphylla* Cheeseman, *Man. N.Z. Fl.*:537 (1906)

TYPE LOCALITY: "Specimens from Mount Arthur and other parts of the Nelson district."

Specimen: SYNTYPE, Mount Arthur, Nelson, alt. 5000 ft, T.F.C., Jan 1886, AK 58896.

Veronica macrocarpa Vahl var. *affinis* Cheeseman, *Man. N.Z. Fl.*:505 (1906)

TYPE LOCALITY: Not stated.

Specimen: HOLOTYPE, cliffs at Northcote, Auckland Harbour, T.F.C., 1875, AK 7730.

Veronica macrocarpa Vahl var. *crassifolia* Cheeseman, *Man. N.Z. Fl.*:505 (1906) ≡ *V. townsonii* Cheeseman, *Trans. Proc. N.Z. Inst.* 45:95 (1913)

TYPE LOCALITY: "Nelson, between Karamea and Westport, W. Townson!"

Specimen: SYNTYPE, * Karamea Hill, N.W. Nelson, W. Townson, no date, AK 7799.

Veronica macroura Hook.f. ex Benth. var. *dubia* Cheeseman, *Man. N.Z. Fl.*:501 (1906) ≡ *V. obtusata* Cheeseman, *Trans. Proc. N.Z. Inst.* 48:213 (1916)

TYPE LOCALITY: "Coast north of the Manukau Harbour, T.F.C."

Specimens: SYNTYPES, Muriwai Cliffs near Motutara, T.F.C., March 1889, AK 7670; Muriwai Cliffs near Motutara, T.F.C., March 1884, AK 7671-7672; Waitakere West, cliffs near Karekare, T.F.C., March 1884, AK 7673.

Veronica matthewsii Cheeseman, *Man. N.Z. Fl.*:517 (1906)

TYPE LOCALITY: "South Island: Canterbury - Southern Alps, Haast! Armstrong! Otago - Milford Sound, Enys! Humboldt Mountains, H.J. Matthews!"

Specimen: SYNTYPE, * Humboldt Mountains, Otago, H.J. Matthews, no date, AK 7955.

Veronica menziesii Benth. var. *divaricata* Cheeseman, *Man. N.Z. Fl.*:512 (1906)

TYPE LOCALITY: "Not uncommon in the Pelorus and Rai valleys, Marlborough, Macmahon!"

Specimen: SYNTYPE, * Rai Valley, Marlborough, J.H. Macmahon, no date, AK 7909.

Veronica obovata Kirk, *Trans. Proc. N.Z. Inst.* 9:502 (1877)

TYPE LOCALITY: "Broken River, Canterbury. Alt. 2,000 ft. J.D. Enys and T. Kirk."

Specimen: ? SYNTYPE, Castle Hill Basin, Cantby, T. Kirk, no date, AK 8038.

Veronica obtusata ≡ *V. macroura* var. *dubia*

Veronica parviflora Vahl var. *strictissima* Kirk, *Trans. Proc. N.Z. Inst.* 28:527 (1896)

TYPE LOCALITY: "South Island: Akaroa, 1876, T. Kirk."

Specimen: SYNTYPE, * Akaroa, Banks Peninsula, T. Kirk, no date, AK 7879.

Veronica propinqua Cheeseman, *Man. N.Z. Fl.*:533 (1906)

TYPE LOCALITY: "South Island: Otago - Upper Waipori and Maungatua, Petrie! Mount Ida and Mount Bonpland, H.J. Matthews! 2500-5000 ft. December-February."

Specimen: SYNTYPE, Maungatua Hill, Taieri Co., 2900 ft, no collector (label in Petrie's hand), no date, AK 8258 (ex Herb. D. Petrie).

Veronica propinqua Cheeseman var. *major* Cockayne ex Cheeseman, *Man. N.Z. Fl.*:820 (1925)

TYPE LOCALITY: "Not uncommon in the uplands of Otago, Cockayne!"

Specimen: SYNTYPE, Mount Dick, L.C., April 1921, AK 50973 (ex Herb. L. Cockayne).

Veronica rigidula Cheeseman, *Man. N.Z. Fl.*:514 (1906)

TYPE LOCALITY: "South Island: Marlborough - Pelorus and Rai Valleys (on rocks by the side of streams), Mount Duppa, Maungatapu, J.H. Macmahon! Nelson - Wairau Gorge, T.F.C. Sea level to 4000 ft. December-February."

Specimen: SYNTYPE, * Pelorus River, Marlborough, 5000 ft, J. Macmahon, September, AK 7919.

Veronica rupicola Cheeseman, *Man. N.Z. Fl.*:514 (1906)

TYPE LOCALITY: "South Island: Marlborough - Awatere Valley, Sinclair! Kaikoura Mountains, Buchanan! Gorge of the Conway River, Cockayne!"

Specimen: SYNTYPE, * gorge of the Conway River, Marlborough, 3000 ft, L. Cockayne, no date, AK 7926.

Veronica salicifolia G. Forst. var. *communis* Cockayne, *Trans. Proc. N.Z. Inst.* 48:201 (1916)

TYPE LOCALITY: "Throughout the South Island ... from sea level to the subalpine belt and from the coast-line to the interior."

Specimen: SYNTYPE, * terrace of the R. Kowai near Springfield, A.H.C., 16/2/1902, AK 7739 (ex Herb. L. Cockayne).

Veronica salicifolia G. Forst. var. *longeracemosa* Cockayne, *Trans. Proc. N.Z. Inst.* 49:61 (1917)

TYPE LOCALITY: "North Island: Egmont - Wanganui Botanical District, abundant with other shrubs in open places both wet & dry. L.C."

Specimen: SYNTYPE, on "papa" cliff near Moumahaki, L.C., March 1916, AK 8459 (ex Herb. L. Cockayne).

Veronica salicifolia G. Forst. var. *paludosa* Cockayne, *Trans. Proc. N.Z. Inst.* 48:202 (1916)

TYPE LOCALITY: "South Island: Westland - In lowland swamps."

Specimen: SYNTYPE, swamp, Lake Ianthe, Westland, L.C., no date, AK 7776 (ex Herb. L. Cockayne).

Veronica speciosa R. Cunn. var. *brevifolia* Cheeseman, *Man. N.Z. Fl.*:500 (1906)

TYPE LOCALITY: "North Cape, T.F.C."

Specimen: SYNTYPE, North Cape, T.F.C., Jan 1896, AK 7653 .

Veronica subalpina Cockayne, *Trans. Proc. N.Z. Inst.* 31:420 (1899)

TYPE LOCALITY: "Mountains of Westland, and those of Canterbury within region of western rainfall, at altitude of from 750 m to 1,200 m."

Specimen: SYNTYPE, Mt Rangi Taipo, Westland, 1000 m, L.C., Jan 1896, AK 8012 (ex Herb. L. Cockayne).

Veronica thomsonii (Buchanan) Cheeseman var. *glabra* Cheeseman, *Man. N.Z. Fl.*:540 (1906)

TYPE LOCALITY: "South Island: Otago - Mount Alta, Buchanan and McKay! Kurow Mountains, Mount St Bathans, Mount Pisa, Petrie! 4500-6500 ft."

Specimen: SYNTYPE, * Mt Pisa, Otago, alt. 6000 ft, D. Petrie, no date, AK 8335.

Veronica townsonii ≡ *V. macrocarpa* var. *crassifolia*

Veronica traversii Hook.f. var. *elegans* Cheeseman, *Man. N.Z. Fl.*:519 (1906)

TYPE LOCALITY: "South Island: Abundant in mountain districts from Nelson to Otago. 500-3500 ft. December-February."

Specimen: LECTOTYPE, * Craigieburn, Upper Waimakiriri, Canterbury, L. Cockayne, no date, AK 8004 (†Moore in Allan 1961:915).

Veronica traversii Hook.f. var. *fallax* Cheeseman, *Man. N.Z. Fl.*:519 (1906)

TYPE LOCALITY: "South Island: Abundant in mountain districts from Nelson to Otago. 500-3500 ft. December-February."

Specimen: SYNTYPES, * St James Station, Clarence River, 3000 ft, T. Kirk 775, no date, AK 7978; ? SYNTYPE, Mount Mantell, Nelson, alt 4000 ft, W. Townson 613, no date, AK 7989.

Veronica truncatula Colenso, *Trans. Proc. N.Z. Inst.* 31:276 (1899)

TYPE LOCALITY: "Ruahine Mountain-range, east side; February, 1898: Mr H. Hill."

Specimen: ? SYNTYPE, * Ruahine Range, H. Hill, Feb 1899, AK 8436.

Veronica tumida Kirk, *Trans. Proc. N.Z. Inst.* 28:521 (1896)

TYPE LOCALITY: "South Island: Nelson - Mount Rintoul and Ben Nevis, F.G. Gibbs! Mount Starvation, W.H. Bryant! Otago - J. Buchanan! 3,000-4,500 ft."

Specimen: SYNTYPE, Mount Starveall, no collector (label in Kirk's hand), no date, AK 8186 (ex Herb. T. Kirk).

Veronica venustula Colenso, *Trans. Proc. N.Z. Inst.* 27:393 (1895)

TYPE LOCALITY: "On eastern side of Ruahine Mountain-range, County of Waipawa; 1892-94: Mr A. Olsen."

Specimen: ? SYNTYPE, * east side of Ruahine range, A. Olsen, Dec 1893, AK 7891.

Veronica vernicosa Hook.f. var. *gracilis* Cheeseman, *Man. N.Z. Fl.*:520 (1906)

TYPE LOCALITY: "South Island: Mountain districts in Nelson, Marlborough, Canterbury and Westland, not uncommon. Sea level to 4500 ft. December-February."

Specimen: LECTOTYPE, Mt Arthur Plateau, Nelson, alt. 3500 ft, T.F.C., no date, AK 8032 (†Moore in Allan 1961:900).

Veronica vernicosa Hook.f. var. *multiflora* Cheeseman, *Man. N.Z. Fl.*:520 (1906)

TYPE LOCALITY: "South Island: Mountain districts in Nelson, Marlborough, Canterbury, and Westland, not uncommon. Sea level to 4500 ft. December-February."

Specimen: LECTOTYPE, * cultivated in Mr Matthews' garden, H.J. Matthews, no date, AK 8029 (†Moore in Allan 1961:900).

SOLANACEAE

Solanum aviculare G. Forst. var. *albiflorum* Cheeseman, *Trans. Proc. N.Z. Inst.* 52:11 (1920)

TYPE LOCALITY: "Pukekohe."

Specimens: SYNTYPES, * near Pukekohe, W. Townson, no date, AK 7602, AK 210585 (formerly AK 7602.2).

STACKHOUSIACEAE

Stackhousia uniflora Colenso, *Trans. Proc. N.Z. Inst.* 18:258 (1885)

TYPE LOCALITY: "On open spots, banks of River Manawatu, County of Waipawa, November 1884; Mr Henry Hill."

Specimen: ? SYNTYPE, * open spots, banks on the Manawatu, Waipawa Co., H. Hill, 1884, AK 5111.

STYLIDIACEAE

Forstera major Colenso, *Trans. Proc. N.Z. Inst.* 31:272 (1899)

TYPE LOCALITY: "Ruahine Mountain-range, east side; 1898: Mr H. Hill."

Specimen: ? SYNTYPE, * Ruahine Mountains, H. Hill, no date, AK 9299.

Forstera sedifolia G. Forst. var. *oculata* Cheeseman, *Man. N.Z. Fl.*:393 (1906)

TYPE LOCALITY: "Mount Rochfort, near Westport, W. Townson! Humboldt Mountains, Cockayne! Clinton Saddle, Petrie! Frazer Peaks (Stewart Island), Thomson and Petrie!"

Specimens: SYNTYPE, growing on moist bank in partial shade, near water, Humboldt Mountains, Otago Lake District, 1060 m, L. Cockayne, 10.ii.1897, AK 9291 (ex Herb. L. Cockayne); * Frazer Peak, Stewart's Island, D. Petrie, no date, AK 9292.

Forstera truncatella Colenso, *Trans. Proc. N.Z. Inst.* 20:196 (1888)

TYPE LOCALITY: "Banks of a small mountain stream on the west side of Mount Ngaruahoe; altitude 5,200 ft, County of east Taupo; 1887, Mr H. Hill."

Specimen: ? SYNTYPE, * Ngaruahoe, H. Hill, no date, AK 9296.

THYMELAEACEAE

Drapetes dieffenbachii Hook.f. var. *laxa* Cheeseman, *Man. N.Z. Fl.*:616 (1906)

TYPE LOCALITY: "Ruahine Mountains, H. Tryon! Nelson - Mountains flanking the Wairau Valley, T.F.C., Mount Murchison, Townson! 2000-4500 ft. December - March."

Specimens: SYNTYPES, * Ruahine Mountains, H. Tryon, no date, AK 5465 (†Heads 1990:630); St. Arnaud Mountains, Nelson, 4000 ft, T.F.C., Jan 1898, AK 5462-5463; * Mount Murchison, Buller Valley, 3500 ft, W. Townson, no date, AK 5464.

Drapetes villosa (Bergg.) Cheeseman var. *multiflora* Cheeseman, *Man. N.Z. Fl.*:616 (1906)

TYPE LOCALITY: "Nelson - Mount Arthur Plateau, T.F.C.; Mount Faraday, Townson! Canterbury - Candlestick Mountains, Cockayne! Mount Torlesse, T.F.C. Westland - Kelly's Hill, Petrie! 2500-4500 ft. December-March."

Specimens: SYNTYPES, * Mt Faraday, 4000 ft, no collector (label in Cheeseman's hand), no date, AK 5474; Mount Torlesse, Canterbury, alt. 5000 ft, T.F.C., Jan 1880, AK 5476; Arthur Plateau, Nelson, alt. 3500 ft, T.F.C., Jan 1886, AK 5477-5478; head of Nigger Creek, Candlestick Mountains, 900 m, L. Cockayne, 8 01 1900, AK 5479 (ex Herb. L. Cockayne).

Kelleria tessellata Heads, *Austr. Syst. Bot.* 3:620 (1990)

TYPE LOCALITY: "T.F. Cheeseman, i 1866, Mount Peel, Nelson, 4500 ft (AK 5466)."

Specimen: HOLOTYPE, Mount Peel, Nelson, alt. 4500 ft, T.F.C., Jan 1886, AK 5466 (†Heads 1990:620).

Pimelea aridula ≡ *P. lyalli* var. *sericea*

Pimelea gnidia (J.R. et G. Forst.) Willd. var. *pulchella* Cheeseman, *Man. N.Z. Fl.*:609 (1906)

TYPE LOCALITY: Not stated.

Specimens: SYNTYPE, Mt Owen, Nelson, alt. 4000 ft, T.F.C., Jan 1882, AK 5357; ? SYNTYPES, * Mount Stokes, Marlborough, P. Macmahon, no date, AK 5356 (ex Herb. T. Kirk); * near Westport, W. Townson, no date, AK 5358.

Pimelea lyalli Hook.f. var. *sericea* Cheeseman, *Man. N.Z. Fl.*:614 (1906) ≡ *P. aridula* Cockayne, *Veg. N.Z.*:356 (1921)

TYPE LOCALITY: "North Island, Ruahine Range, Colenso! Hawkes Bay, A. Hamilton! South Island, Kurow and other places in the Waitaki Valley, Buchanan! Petrie! Clutha Valley, Petrie! Crown Range, Cardrona, Kirk! Usually from 2000 ft to 4500 ft, but descends to sea-level in the south of Otago and on Stewart Island. Dec-March."

Specimen: SYNTYPE, * Kurow, Waitaki Valley, D. Petrie, no date, AK 5402.

Pimelea polycephala Colenso, *Trans. N.Z. Inst.* 22:486 (1890)

TYPE LOCALITY: "Near the summit of Mount Ruapehu, in dry stony ground, County of East Taupo; 1889: Mr H. Hill."

Specimen: ? SYNTYPE, * near the summit of Ruapehu, H. Hill, no date, AK 5431.

Pimelea prostrata (J.R. et G. Forst.) Willd. var. *alpina* Cheeseman, *Man. N.Z. Fl.*:583 (1925)

TYPE LOCALITY: Not stated.

Specimen: SYNTYPE, * Ruapehu, W. Townson, no date, AK 5420.

Pimelea prostrata (J.R. et G. Forst.) Willd. var. *erecta* Cheeseman, *Man. N.Z. Fl.*:583 (1925)

TYPE LOCALITY: Not stated.

Specimens: SYNTYPES, Avondale, near Auckland, T.F.C., no date, AK 5407; Taupaki, near Auckland, T.F.C., no date, AK 5408; ? SYNTYPES, * sandhills near Christchurch, J.F. Armstrong, no date, AK 5404; * Tairua Harbour, J. Adams, no date, AK 5405-5406.

Pimelea prostrata (J.R. et G. Forst.) Willd. var. *repens* Cheeseman, *Man. N.Z. Fl.*:583 (1925)

TYPE LOCALITY: Not stated.

Specimens: SYNTYPES, stony ground in full sunshine, Glenorchy, Lake Wakitipu, L. Cockayne, 24 Feb 1897, AK 5409 (ex Herb. L. Cockayne); in full sunshine on stony bed of Mt Earnslaw Creek, Otago Lake Distr., L. Cockayne, 18 Feb 1897, AK 5410 (ex Herb. L. Cockayne); * Cobb Valley, Nelson, 2500 ft, T.F.C., Jan 1882, AK 5413; Dun Mountain, Nelson, T.F.C., no date, AK 5414; Patetere Plateau, T.F.C., Jan 1884, AK 5415; Mount Kakaramea, Taupo, alt. 4000 ft, T.F.C., Jan 1905, AK 5416, AK 219734 (formerly AK 5416.2); Waitakerei West, T.F.C., October 1883, AK 5417; Waitemata Harbour, T.F.C., Dec 1884, AK 5418.

URTICACEAE

Boehmeria dealbata Cheeseman, *Trans. Proc. N.Z. Inst.* 24:410 (1892)

TYPE LOCALITY: "Sunday Island, Kermadec Group: not uncommon in the lower portion of the island."

Specimens: SYNTYPES, Sunday Island, Kermadec Group, T.F.C., August 1887, AK 3795, AK 210748-210750 (formerly AK 3795.2-3795.4); Kermadec Islands, T.F.C., no date, AK 3796; cultivated at Remuera, T.F.C., no date, AK 3797.

Urtica aspera Petrie, *Trans. Proc. N.Z. Inst.* 51:107 (1919)

TYPE LOCALITY: "Among tussock grass in the more open parts of Firewood Creek, Cromwell, at about 2,300 ft, Sowburn, Maniototo County, among patches of *Discaria toumatou* Raoul; D.P. Head of Awatere Valley, Marlborough: L. Cockayne."

Specimens: ? SYNTYPES, * Firewood Creek, near Cromwell, Otago, D. Petrie, no date, AK

3784, AK 210751 (formerly AK 3784.2); ? SYNTYPES, Maniototo Plains, Otago, D. Petrie, no date, AK 3785, AK 210752 (formerly AK 3785.2).

VERBENACEAE

Teucrium parvifolium Hook.f. var. *luxurians* Cheeseman, *Man. N.Z. Fl.*:764 (1925)

TYPE LOCALITY: "River-flats by the Mangles River, Buller Valley, H.H. Allan!"

Specimens: SYNTYPES, remnants of forest (Beech-Hoheria-Sophora) on river flats, Mangles R near Braeburn, H.H. Allan, 20 Jan 1922, AK 7589; * remnants of forest (Beech-Hoheria-Sophora) on river flats, Mangles R near Braeburn, H.H. Allan, 20 Jan 1922, AK 209583 (formerly AK 7589.2).

VIOLACEAE

Melicytus lanceolatus Hook.f. var. *latior* G. Simpson et J.S. Thomson, *Trans. Roy. Soc. N.Z.* 72:25 (1943)

TYPE LOCALITY: "... Flagstaff Hill, near Dunedin ..."

Specimen: SYNTYPE, * type from Flagstaff Hill, Dunedin, G.S. & J.S.T., no date, AK 100240.

Melicytus micranthus Hook.f. var. *longiusculus* Cheeseman, *Man. N.Z. Fl.*:48 (1906)

TYPE LOCALITY: "North and South Islands: Abundant in lowland forests, by the side of streams, &c., from the Bay of Islands to Otago. November-May."

Specimens: SYNTYPES, * Mauku, H. Carse, June 1900, AK 5290-5291, AK 5294, AK 209541-209544; Mauku Creek, H. Carse, July 1900, AK 5292; Hogwoods Scrub, Mauku, H. Carse, Dec 1900, AK 5293.

Melicytus microphyllus Colenso, *Trans. Proc. N.Z. Inst.* 19:260 (1887)

TYPE LOCALITY: "Forests, banks of the River Mangatawhainui, near Norsewood, County of Waipawa; 1886: W.C."

Specimens: ? SYNTYPES, * Norsewood, Hawkes Bay, W. Colenso, no date, AK 5297, AK 209574 (formerly AK 5297.2).

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APPENDIX 1. Interpretations of the International Code of Botanical Nomenclature used for this checklist.

Holotype

One specimen cited by the author in the protologue or designated by the author as the type. If there was only one specimen seen by the author this is the holotype, some authors refer to such specimens as “monotypes” (Fosberg 1993).

Isolectotype

Specimen which is a duplicate of the lectotype.

Isonotype

Specimen which is a duplicate of the neotype.

Isosyntype

Specimen which is a duplicate of a syntype but which has not been seen by the author.

Isotype

Specimen which is a duplicate of the holotype.

Lectotype

One specimen selected from syntype material to be nomenclatural type and published at a date later than the original publication of the description.

Neotype

One specimen selected to serve as a nomenclatural type when all original type material is missing.

Paralectotype

After a lectotype has been selected, any specimen cited in the protologue which is not the lectotype or an isolectotype. Both terms paralectotype (Hansen & Seberg 1984) and lectotparatype (Brummitt 1985) are currently used in this sense, we have used paralectotype.

Paratype

Specimen cited in the protologue which is neither holotype nor isotype. Note that where a holotype or lectotype is clearly an entire plant, any specimens collected at the same time are not duplicates in a strict sense and therefore we have taken them to be either paratypes or paralectotypes.

Syntype

Any specimen cited in the protologue when no holotype or lectotype has been selected.